# STR-V5550/V7770

# SERVICE MANUAL

*E Model*
*Chinese Model*

Photo : STR-V7770

This set is the tuner and amplifier section in MHC-V5550/V7770AV.

## SPECIFICATIONS

### Amplifier section

The following measured at AC 230V 50/60 Hz
DIN power output (Rated) (FRONT)
95 + 95W (6 Ω at 1kHz DIN)
Continuous RMS power output (Reference)
FRONT SPEAKER: 110 + 110W
(6 Ω at 1kHz, 10% THD)
CENTER SPEAKER: 55W
(8 Ω at 1kHz, 10% THD) (V7770)
REAR SPEAKER: 35 + 35W
(8 Ω at 1kHz, 10% THD) (V7770)
The following measured at AC 120, 220, 240V 50/60Hz
DIN power output (Rated) (FRONT)
100 + 100W (6 Ω at 1kHz DIN)
Continuous RMS power output (Reference)
FRONT SPEAKER: 120 + 120 W
(6 Ω at 1kHz, 10% THD)
CENTER SPEAKER: 60W
(8 Ω at 1kHz, 10% THD) (V7770)
REAR SPEAKER: 40 + 40W
(8 Ω at 1kHz 10% THD) (V7770)
Peak music power output 2400W (V7770)
2000W (V5550)

| | |
|---|---|
| Inputs | MD/VIDEO 1 IN (phone jacks): voltage 450/250mV, impedance 47kΩ<br>AV INPUT AUDIO (phone jacks): voltage 250mV, impedance 47kΩ<br>MIX MIC 1/2 (phone jack): sensitivity 1mV, impedance 10kΩ |
| Output | MD/VIDEO 1 OUT (phono jacks): voltage 450/250mV, impedance 1kΩ<br>PHONES (stereo phone jack): accepts headphones of 8Ω or more.<br>FRONT SPEAKER:<br>accepts impedance of 6 to 16Ω<br>CENTER SPEAKER:<br>accepts impedance of 8 to 16Ω (V7770)<br>REAR SPEAKER:<br>accepts impedance of 8 to 16Ω<br>SUPER WOOFER:<br>Voltage 1V, impedance 1kΩ |

### Tuner section

FM stereo, FM/AM superheterodyne tuner

### FM tuner section

| | |
|---|---|
| Tuning range | 87.5 – 108.0MHz |
| Aerial | FM lead aerial |
| Aerial terminals | 75Ω unbalanced |
| Intermediate frequency | 10.7MHz |

### AM tuner section

| | |
|---|---|
| Tuning range | |
| Thai models: | 531 – 1,602kHz (with the AM tuning interval set at 9kHz)<br>530 – 1,710kHz (with the AM tuning interval set at 10kHz) |
| Other models: | MW: 531 – 1,602kHz (with the MW tuning interval set at 9kHz)<br>530 – 1,710kHz (with the MW tuning interval set at 10kHz)<br>SW: 5.95 – 17.90MHz (with the SW tuning interval set at 5kHz) |
| Intermediate frequency | 450kHz |
| Antenna | AM loop antenna External antenna terminal |

### General

| | |
|---|---|
| Power requirements | |
| Chinese, Thai models: | 220V AC, 50/60Hz |
| Other models: | 120V or 220V or 230 – 240, 50/60Hz<br>Adjustable with voltage selector |
| Power consumption | 300W |
| Dimensions (w/h/d) | Approx. 288 × 205 × 375mm |
| Mass | Approx. 8.8kg |

Design and specifications are subject to change without notice.

## FM STEREO/FM-AM RECEIVER

MICROFILM

SONY®

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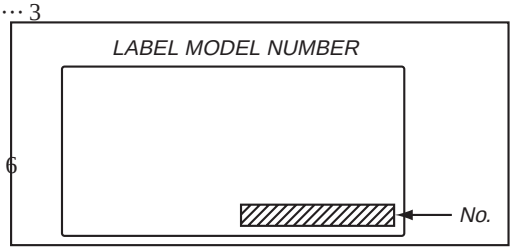
## MODEL IDENTIFICATION
## — BACK PANEL —




| MODEL | PART No. |
|---|---|
| V5550: Hong Kong, Malaysia, Singapore, Indonesia | 4-900-848-5☐ |
| V7770: Hong Kong, Malaysia, Singapore | 4-900-848-6☐ |
| V7770: Thai, Chinese | 4-900-848-7☐ |
| V5550: Chinese | 4-900-848-8☐ |

**SAFETY-RELATED COMPONENT WARNING !!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

与安全有关的零部件须知

在原理图上用阴影及 ⚠ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

# SECTION 1
# GENERAL

**Front Panel**

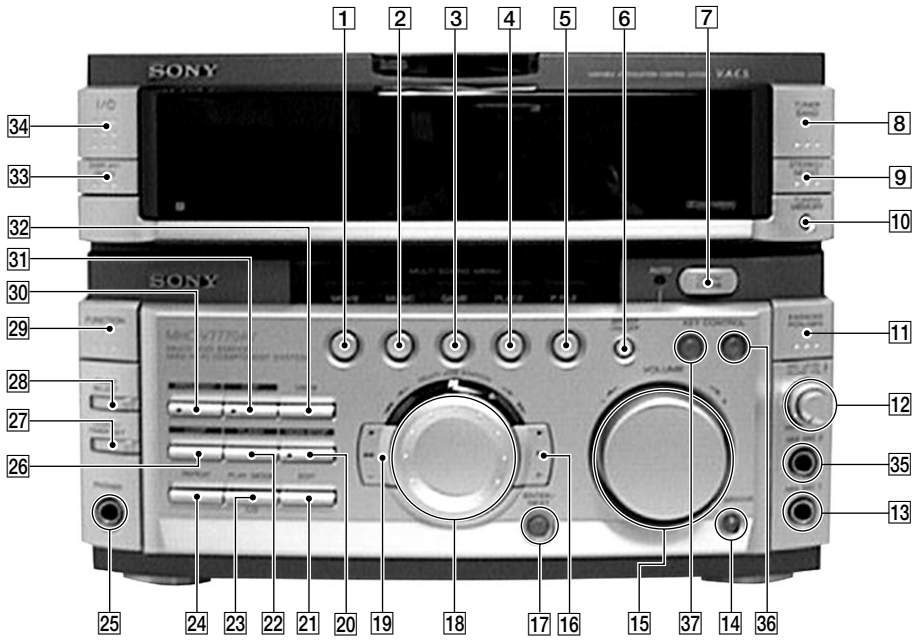



Photo : STR-V7770

1 MOVIE button
2 MUSIC button
3 GAME button
4 PLACE button
5 P FILE button
6 EFFECT ON/OFF button
7 OPEN/CLOSE button
8 TUNER BAND button
9 STEREO/MONO button
10 MEMORY button
11 KARAOKE PON/MIX button
12 MIC LEVEL/ECHO VOL dial
13 MIX MIC1 jack
14 GROOVE button
15 VOLUME dial
16 ▶▶ + button
17 ENTER/NEXT button
18 MULTI JOG STATION dial
19 ◀◀ – button
20 NON-STOP button
21 EDIT button
22 FLASH button
23 PLAY MODE button
24 REPEAT button
25 PHONES jack
26 LOOP button
27 CLOCK/TIMER SET button
28 TIMER SELECT button
29 FUNCTION button
30 PROLOGIC button
31 DSP button
32 DBFB button
33 DISPLAY/DEMO button
34 I/⏻ (POWER) button
35 MIX MIC2 jack
36 KEY CONTROL (♯)
37 KEY CONTROL (♭)

**Rear Panel**

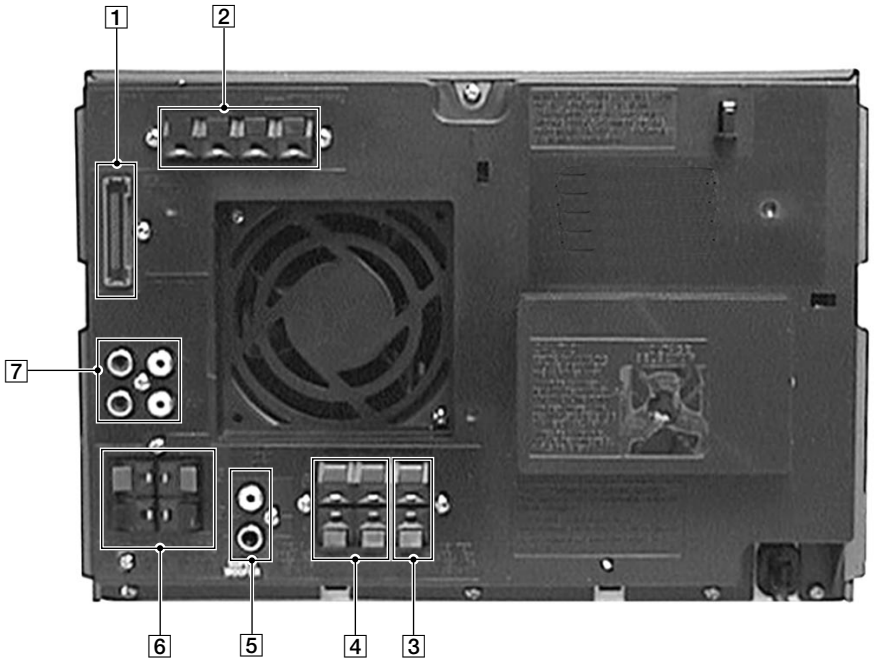


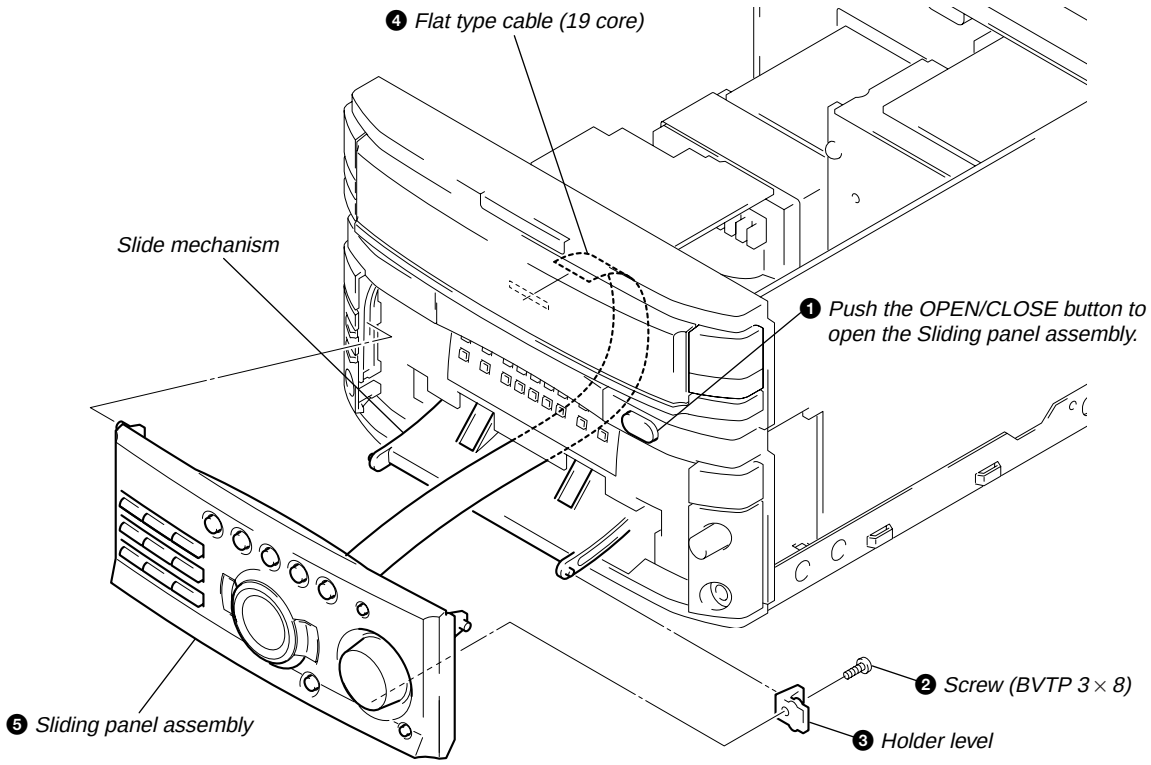

Photo : STR-V7770 (Chinese model)

1 SYSTEM CONTROL jack
2 ANTENNA terminal
3 CENTER SPEAKER terminal
4 REAR SPEAKER terminal
5 MONITOR OUT jack
6 FRONT SPEAKER terminal
7 MD/VIDEO 1 jack

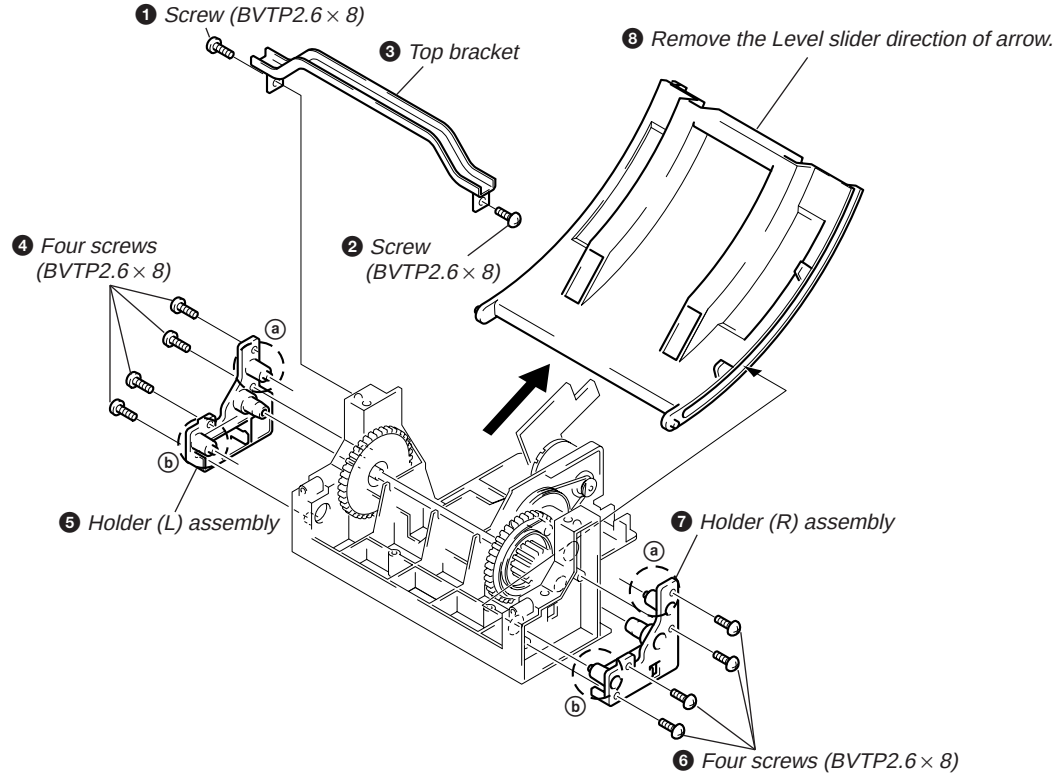
# SECTION 2
# DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

## 2-1. SLIDING PANEL ASSEMBLY


❹ Flat type cable (19 core)
Slide mechanism
❶ Push the OPEN/CLOSE button to open the Sliding panel assembly.
❷ Screw (BVTP 3 × 8)
❸ Holder level
❺ Sliding panel assembly

- **NOTE FOR INSTALLATION (LEVEL SLIDER)**
  **(Perform this DISASSEMBLY after the front panel is removed.)**

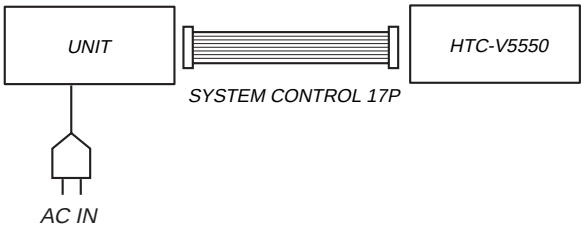

❶ Screw (BVTP2.6 × 8)
❸ Top bracket
❽ Remove the Level slider direction of arrow.
❹ Four screws (BVTP2.6 × 8)
❷ Screw (BVTP2.6 × 8)
ⓐ
ⓑ
❺ Holder (L) assembly
❼ Holder (R) assembly
❻ Four screws (BVTP2.6 × 8)

***NOTE :***
*Attach in the reverse order, but make sure the rollers (ⓐ, ⓑ) of the holder (L) assembly and holder (R) assembly fit into the grooves of the level slider.*

# SECTION 3
# SERVICE MODE

### Connections and Operations When Used Alone

Normally, use the unit connected to the HTC-V5550 as follows.
Basically, when servicing the unit, connect the unit as follows.




Even when not connected to the HTC-V5550, the unit can operate alone as it mounts a power supply (some functions will however not be available).

### MC Cold Reset

• The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

**Procedure:**

1. Press three buttons [EDIT] , [ENTER/NEXT] , and [DISPLAY/DEMO] simultaneously.
2. The fluorescent indicator tube becomes blink instantaneously, and the set is reset.

### CD Delivery Mode (This mode can be used only when the HTC-V5550 is connected.)

• This mode moves the pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Press [LOOP] button and [I/⏻] button simultaneously.
3. A message “LOCK” is displayed on the fluorescent indicator tube, and the CD delivery mode is set.

### MC Hot Reset

• This mode resets the set with the preset data kept stored in the memory. The hot reset mode functions same as if the power cord is plugged in and out.

**Procedure:**

1. Press three buttons [REPEAT] , [ENTER/NEXT] , and [DISPLAY/DEMO] simultaneously.
2. The fluorescent indicator tube becomes blink instantaneously, and the set is reset.

### Sled Servo Mode (This mode can be used only when the HTC-V5550 is connected.)

• This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pick-up.

**Procedure:**

1. Select the function “CD”.
2. Press three buttons [FLASH] , [ENTER/NEXT] , and [KARAOKE PON/MIX] simultaneously.
3. The Sled Servo mode is selected, if “CD” is blinking on the fluorescent indicator tube.
4. With the CD in stop status, press [▶▶ +] button move the pick-up to outside track, or [– ◀◀] button to inside track.
5. To exit from this mode, perform as follows:
   1) Move the pick-up to the most inside track.
   2) Press three buttons in the same manner as step 2.

**Note:**

• Always move the pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
• Do not run the sled motor excessively, otherwise the gear can be chipped.

### Change-over of FUNCTION Name

• The FUNCTION name of external input terminal can be changed over to VIDEO 1 or MD. With the FUNCTION selected to “MD”, about 5dB mute is applied to the input gain.

**Procedure:**

1. Press [I/⏻] button to turn the set OFF.
2. Press [I/⏻] button together with [FUNCTION] button, and the power is turned on, the display of fluorescent indicator tube changes to “MD” or “VIDEO 1” instantaneously, and thus the FUNCTION is changed over.

### Change-over of AM Tuner Step between 9kHz and 10kHz

• A step of AM channels can be changed over between 9kHz and 10kHz.

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Select the function “TUNER”, and press [TUNER/BAND] button to select the BAND “MW”.
3. Press [I/⏻] button to turn the set OFF.
4. Press [ENTER/NEXT] and [I/⏻] buttons simultaneously, and the display of fluorescent indicator tube changes to “MW step 10” or “MW step 9”, and thus the channel step is changed over.

### LED and Fluorescent Indicator Tube All Lit, Key Check Mode (Do not connect the HTC-V5550.)

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Press the [OPEN/CLOSE] button to open the sliding panel.
3. Press three buttons [DELAY], [ENTER/NEXT], and [DISPLAY/DEMO] simultaneously.
4. LEDs and fluorescent indicator tube are all turned on. Each time the [MOVIE] button is pressed, the fluorescent indicator tube lights up as follows:
   lights up completely ⟶ lights up partially 1 ⟶ lights up partially 2 ⟶ lights up completely.
5. Press [GAME] button, and the key check mode is activated.
6. In the key check mode, the fluorescent indicator tube displays "K @@ V0 J0". Each time a button is pressed, "K"value decreases. However, once a button is pressed, it is no longer taken into account. (@@ means the total of buttons)
   "J" Value increases like 1, 2, 3 ... if rotating [JOG] knob in "+" direction, or it decreases like 0, 9, 8 ... if rotating in "-" direction.
   "V" Value increases like 1, 2, 3 ... if rotating [VOLUME] knob in "+" direction, or it decreases like 0, 9, 8 ... if rotating in "-" direction.
7. Pressing all buttons lights up the fluorescent indicator tube completely.
8. To exit from this mode, press three buttons [EDIT], [ENTER/NEXT] and [DISPLAY/DEMO] simultaneously. (COLD RESET)
9. To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

### CD, TAPE Deck Aging Mode (This mode can be used only when the HTC-V5550 is connected.)

This mode can be used for checking the operations of the CD player and tape deck.

- When problems occur;
  Aging stops, and the stopped state is displayed on the fluorescent indicator tube.
- When no problems;
  Aging continues.

**Preparations:**

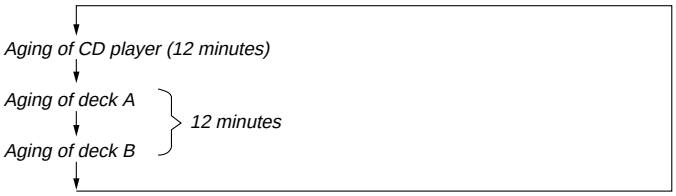
- Set the CD on the DISC1 tray.
- Insert a commercially available tape for recording (tapes which contents can be erased, etc.) in decks A and B.

### Setting the aging mode:

Press the [PLAY MODE] button, [ENTER/NEXT] button, and [STEREO/MONO] button together.
When the aging mode is set, the CD roulette mark blinks. To exit the mode, press the [I/⏻] button and turn OFF the power.

### Sequence:

The aging mode is executed in the following sequence.
If the function is set to "CD" when the aging mode is set, aging is performed starting from the CD player. When set to "TAPE A" or "TAPE B", aging is started from deck A.
If the function is set to others, aging will not be started until the function is switched to CD or TAPE.




### Display of status:

- The aging status is displayed on the fluorescent indicator tube.
- Normally, the CD player displays the remaining aging time. But if operations ended abnormally, it displays the cause.
- During the aging of the tape deck, the operations performed will be displayed. If operations ended abnormally, this will be displayed at the fluorescent display tube.

### CD Player

- During normal operations:
  Display of fluorescent indicator tube

| **1-@@ |
|---|

**: Displays "CD" and the remaining aging time (minutes) alternately. The remaining aging time is counted down from 12.

@@: Track number being accessed.

**• When operations end abnormally:**

**Display of fluorescent display tube**

| Display | Main Cause |
|---|---|
| NO DISC ERR | DISC 1 is NO DISC from the beginning |
| FOCUS1 ERR | Focus is not imposed properly |
| FOCUS2 ERR | The focus deviated several times after the disc rotated normally |
| GFS ERR | GFS ERROR |
| FBIAS ERR | Error during focus bias adjustment |
| SENSOR ERR | DISC 1 was found to be NO DISC by the disc sensor |
| TABLE ERR | The table did not rotate normally |
| TRAY ERR | The tray containing the BD did not operate normally |

**Tape Deck**

| Display of Operations | Operation | Timing of Ending |
|---|---|---|
| TAPE A AG-1 | TAPE A REW | Shutoff |
| TAPE A AG-2 | TAPE A FWD | 2 minute playback |
| TAPE A AG-3 | TAPE A FF | 20 seconds or shutoff |
| TAPE A AG-4 | TAPE A REV | 2 minutes playback |
| TAPE A AG-5 | TAPE A REW | Shutoff |
| TAPE B AG-1 | TAPE B REW | Shutoff |
| TAPE B AG-2 | TAPE B FWD | 2 minute playback |
| TAPE B AG-3 | TAPE B FF | 20 seconds or shutoff |
| TAPE B AG-4 | TAPE B REV | 2 minute playback |
| TAPE B AG-5 | TAPE B REW | Shutoff |

**Operations during aging**

• Operations are performed in the following sequence during aging.

**<CD player>**

1. The CD tray rotates and disc 1 is selected.
2. Chucking is performed.
3. TOC is read.
4. Track 1 played back for 2 seconds.
5. The last track is played back for 2 seconds.
6. 1 to 5 is repeated.
7. After 12 minutes of aging, aging is switched to the tape deck.

**<Tape Deck>**

1. The tape in deck A is rewound to the head.
2. The FWD side is played back for 2 minutes.
3. The tape is fast forwarded (FF) for 20 seconds. The following procedure is performed when the tape end is reached before the 20 seconds.
4. The REV side is played back for 2 minutes.
5. The tape is rewound to the head (REW).
6. The tape in deck B is rewound to the head.
7. The FWD side is played back for 2 minutes.
8. The tape is fast forwarded (FF) for 20 seconds. The following procedure is performed when the tape end is reached before the 20 seconds.
9. The REV side is played back for 2 minutes.
10. The tape is rewound to the head (REW).
11. Aging is switched to the CD player.

**PANEL Aging Mode**

This mode is used for opening and closing the sliding panel continuously.

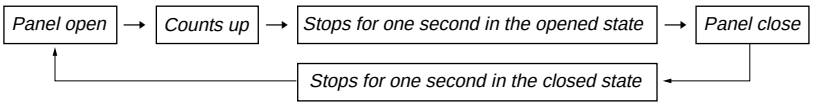
**Setting the aging mode :**

With the set at standby condition, press FLASH button, ENTER/NEXT button and STEREO/MONO button together. The aging will start and sliding panel will follow aging sequence as described below.

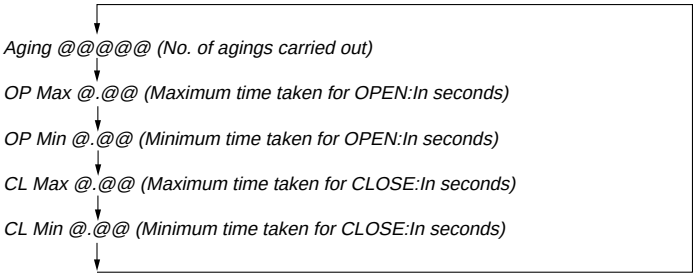
- When problems occur ;
  Aging stops and “AGING ERROR” is displayed on the fluorescent indicator tube.

- When no problems;
  Aging is carried out repeatedly. After 65000 times, “AGING STOP” is displayed and aging stops.

**Aging Sequence**

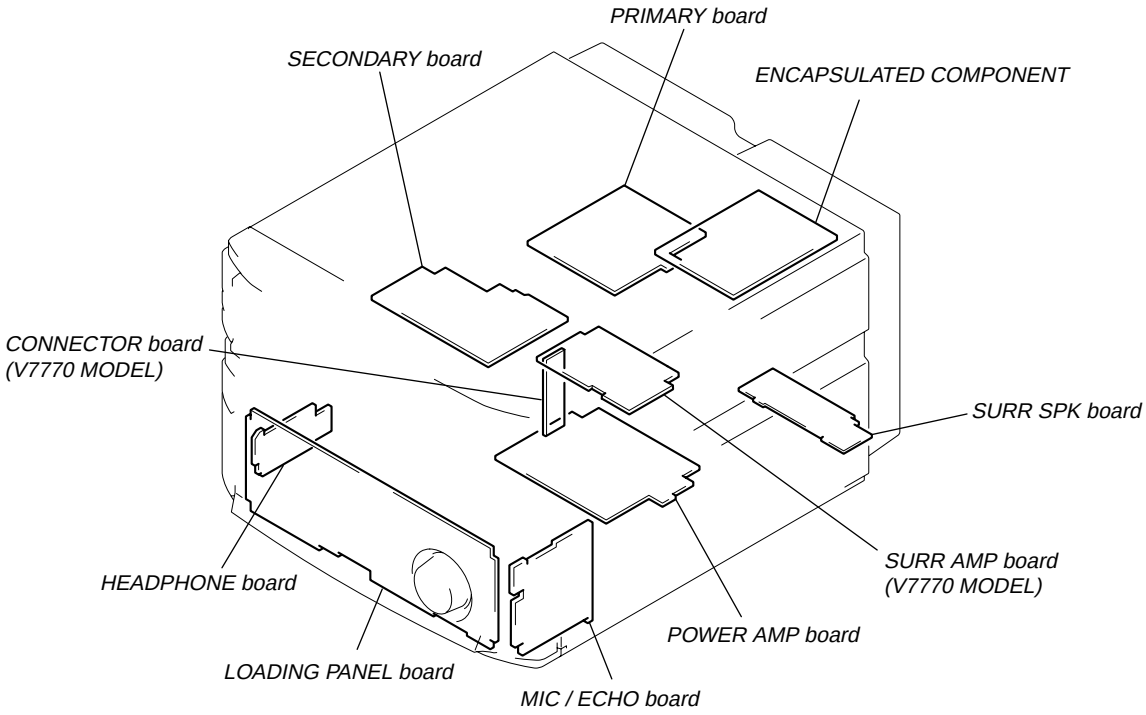


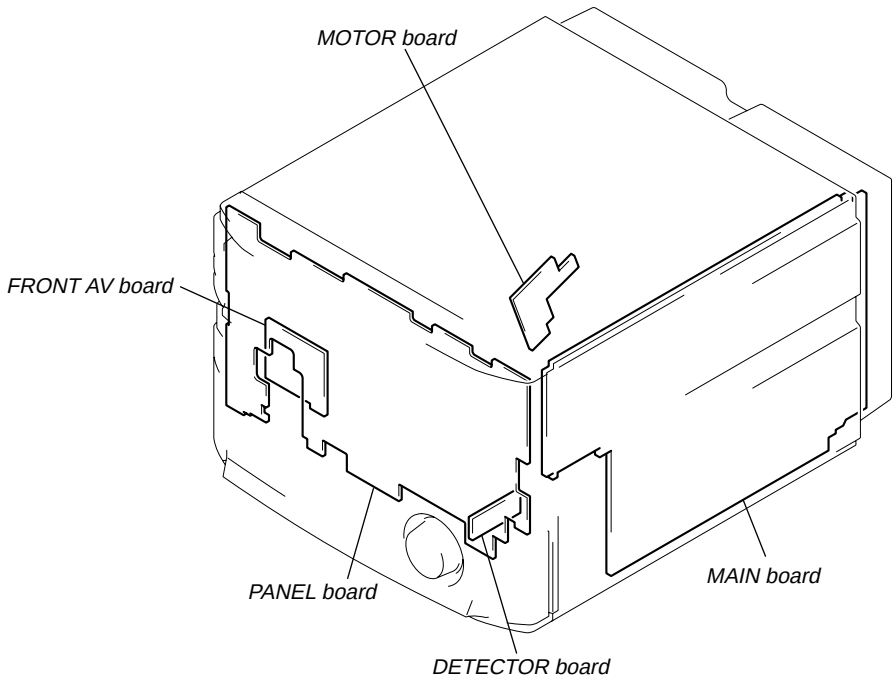

Each time the DISPLAY/DEMO button is pressed, the display switches as follows.


Aging @@@@@ (No. of agings carried out)
OP Max @.@@ (Maximum time taken for OPEN:In seconds)
OP Min @.@@ (Minimum time taken for OPEN:In seconds)
CL Max @.@@ (Maximum time taken for CLOSE:In seconds)
CL Min @.@@ (Minimum time taken for CLOSE:In seconds)

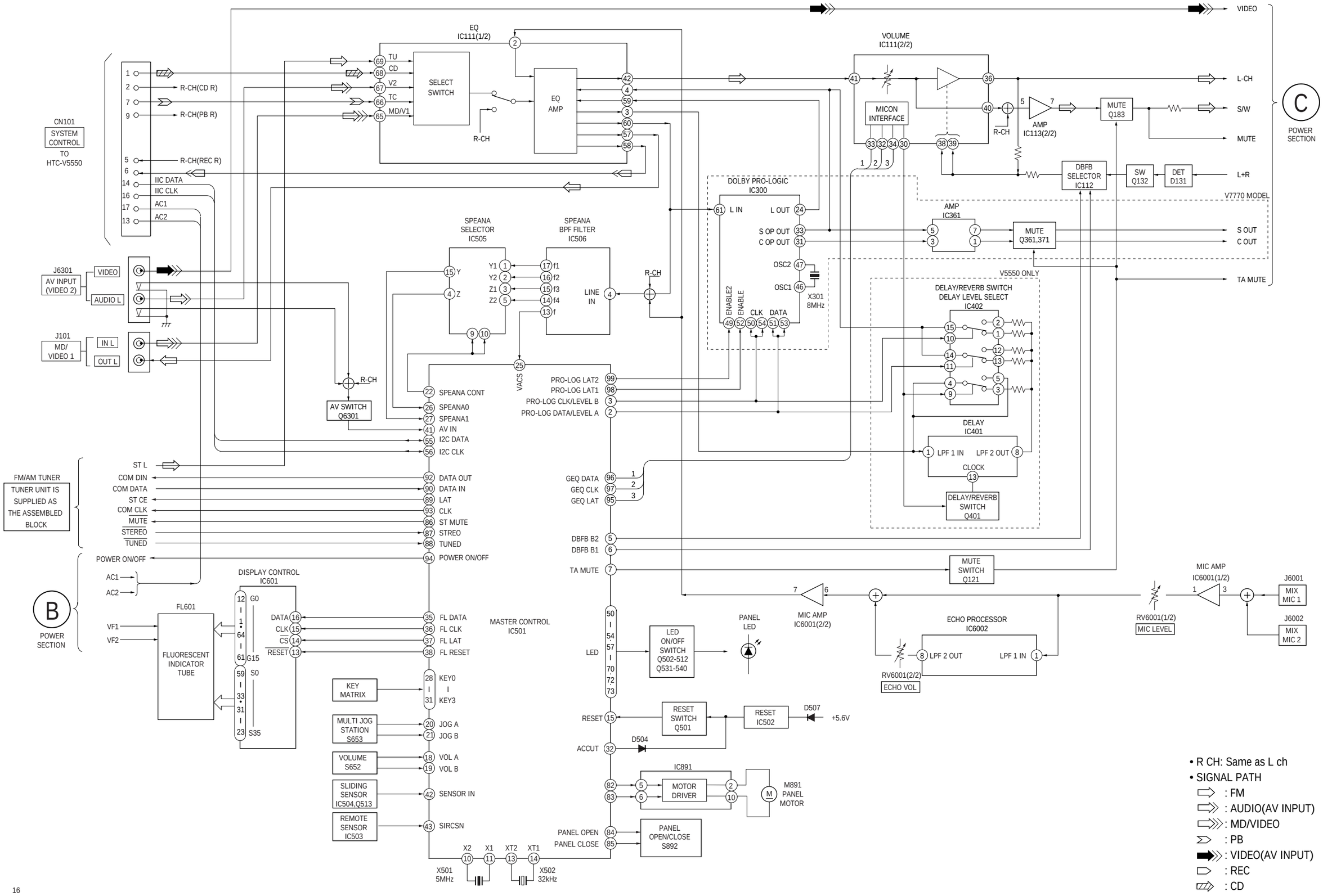
# SECTION 4
# DIAGRAMS

## 4-1. CIRCUIT BOARDS LOCATION

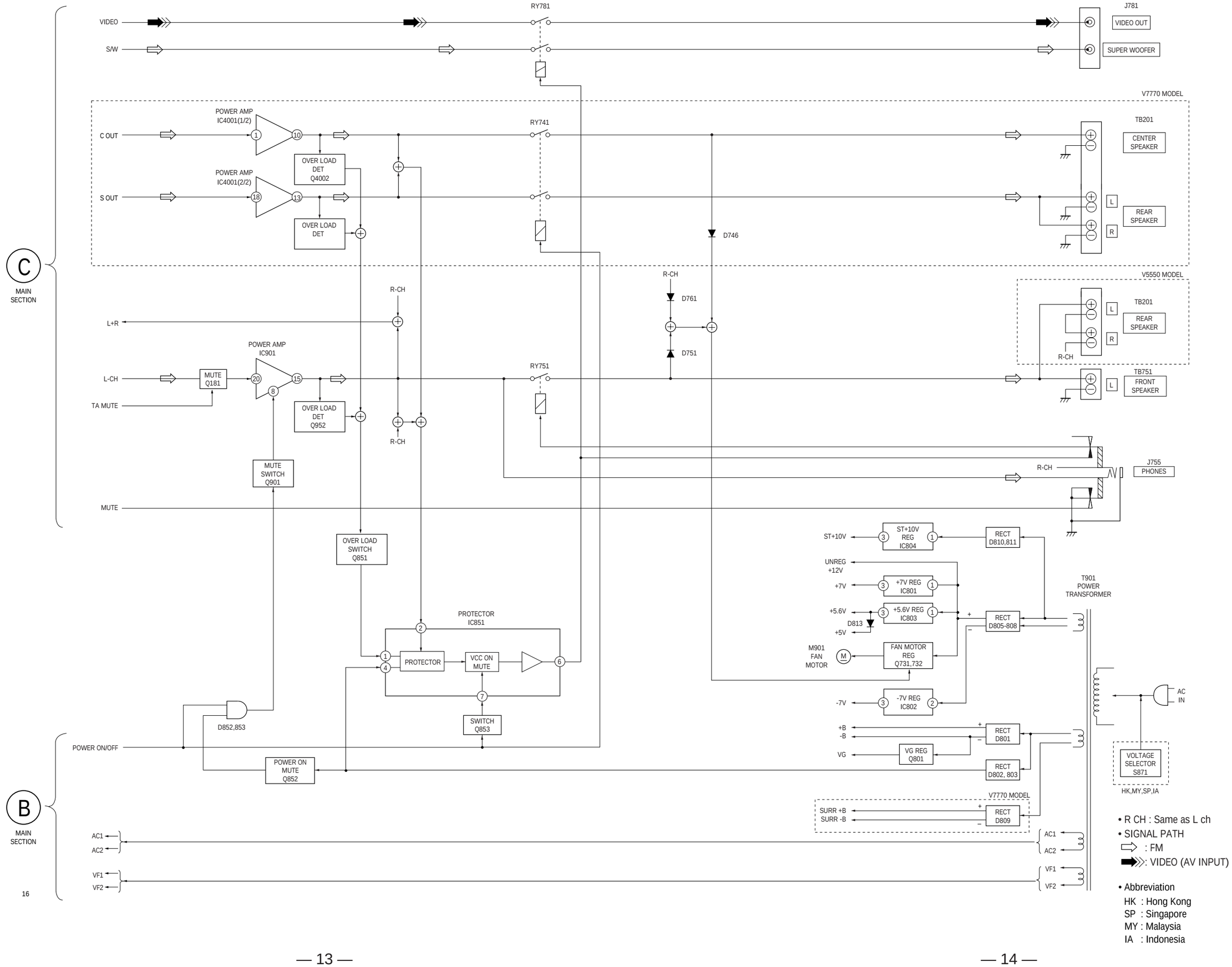


## 4-2. BLOCK DIAGRAMS
### — MAIN SECTION —



## – POWER SECTION –




- R CH : Same as L ch
- SIGNAL PATH
  ⇨ : FM
  ➡⋙: VIDEO (AV INPUT)
- Abbreviation
  HK : Hong Kong
  SP : Singapore
  MY : Malaysia
  IA : Indonesia

**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.**
**(In addition to this, the necessary note is printed in each block.)**

### For schematic diagrams.

**Note:**

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | 以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。 |

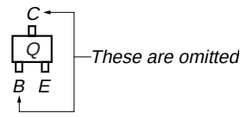
- B+ : B+ Line.
- B– : B– Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : FM
  - : AM
  - : AUDIO (AV INPUT)
  - : MD/VIDEO
  - : VIDEO (AV INPUT)
  - : PB (DECK A)
  - : REC (DECK B)
  - : CD
- Abbreviation
  - HK : Hong Kong
  - SP : Singapore
  - MY : Malaysia
  - CH : Chinese
  - TH : Thai
  - IA : Indonesia

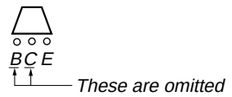
### For printed wiring boards.

**Note:**

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ○ : Through hole.
- △ : internal component.
- ▒▒ : Pattern from the side which enables seeing.

- **Indication of transistor**

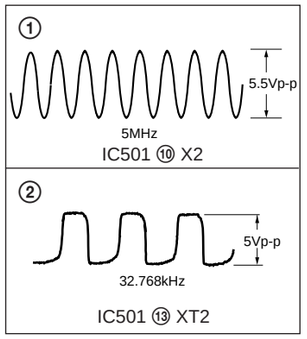




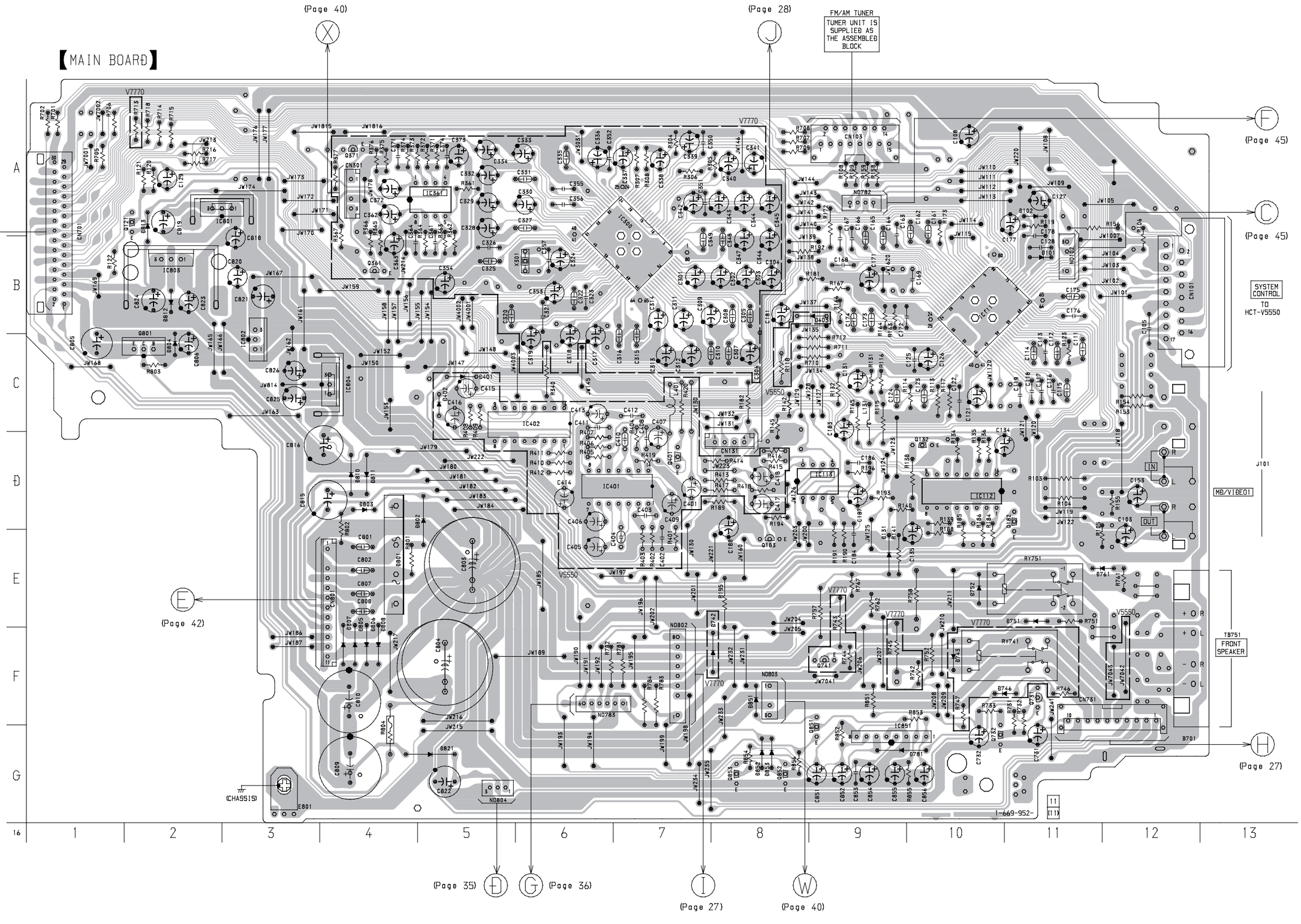

## Waveforms

### – DISPLAY Section –



## 4-3. PRINTED WIRING BOARD — MAIN SECTION —

• Refer to page 10 for Circuit Boards Location.




• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D101 | B-11 |
| D102 | B-11 |
| D131 | E-9 |
| D401 | D-5 |
| D402 | D-5 |
| D403 | C-9 |
| D742 | F-8 |
| D743 | F-10 |
| D746 | F-11 |
| D751 | F-11 |
| D752 | E-10 |
| D761 | E-12 |
| D781 | G-10 |
| D801 | E-4 |
| D802 | F-5 |
| D803 | E-4 |
| D804 | C-2 |
| D805 | F-4 |
| D806 | F-4 |
| D807 | F-4 |
| D808 | F-4 |
| D810 | E-4 |
| D811 | E-4 |
| D812 | C-2 |
| D813 | B-2 |
| D851 | F-8 |
| D852 | G-8 |
| D853 | G-8 |
| | |
| IC111 | C-10 |
| IC112 | E-10 |
| IC113 | E-9 |
| IC300 | A-7 |
| IC361 | A-5 |
| IC401 | E-7 |
| IC402 | D-6 |
| IC801 | B-2 |
| IC802 | C-3 |
| IC803 | B-2 |
| IC804 | D-4 |
| IC851 | G-9 |
| | |
| Q121 | B-2 |
| Q132 | D-10 |
| Q182 | E-11 |
| Q183 | E-8 |
| Q361 | B-4 |
| Q371 | A-4 |
| Q401 | D-7 |
| Q731 | G-11 |
| Q732 | G-10 |
| Q741 | F-9 |
| Q801 | C-2 |
| Q851 | G-9 |
| Q852 | H-8 |
| Q853 | H-8 |

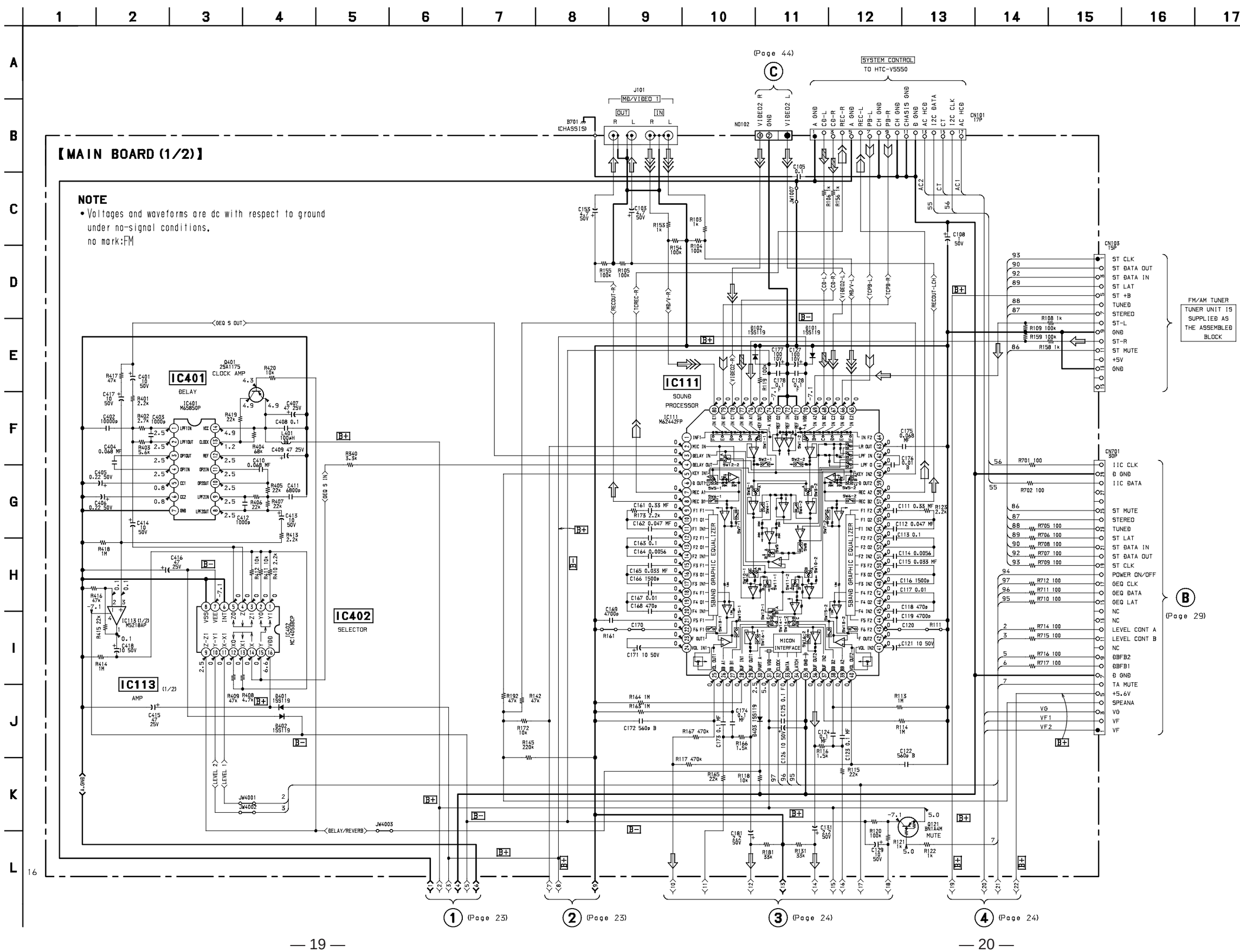
## 4-4. SCHEMATIC DIAGRAM — MAIN (1/2) SECTION (V5550 MODEL) —

• Refer to page 47 for IC Block Diagrams.

【MAIN BOARD (1/2)】

**NOTE**

- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark:FM



## 4-5. SCHEMATIC DIAGRAM — MAIN (1/2) SECTION (V7770 MODEL) —

• Refer to page 17 for Printed Wiring Board..
• Refer to page 46 to 47 for IC Block Diagrams.

【MAIN BOARD (1/2)】

**NOTE**

• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark:FM

IC300 LVT041M — ÐOLBY PROLOGIC

IC111 M62442FP — SOUND PROCESSOR

IC361 M5218AFP — AMP

5BAND GRAPHIC EQUALIZER

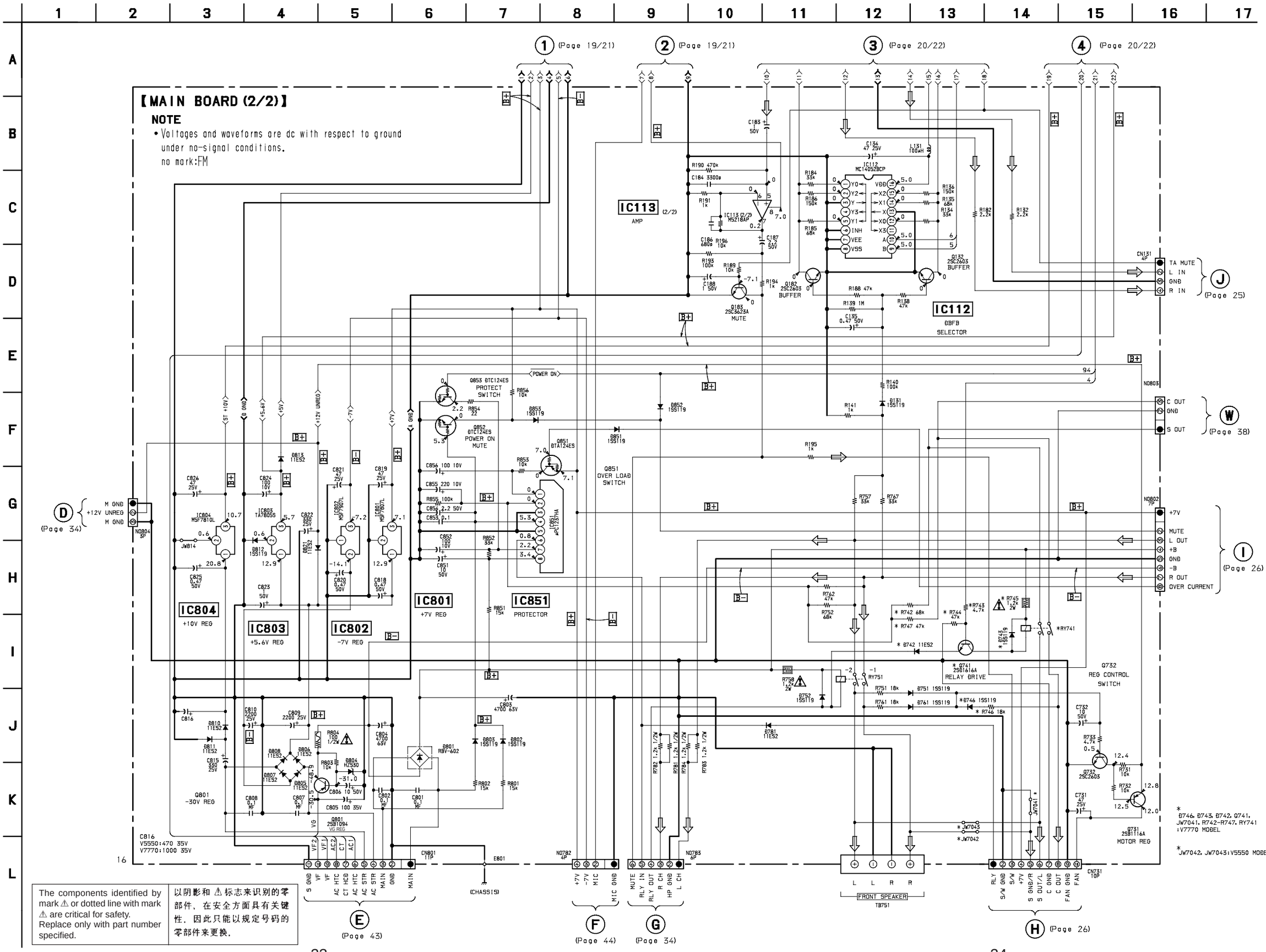
MICON INTERFACE

SYSTEM CONTROL TO HTC-V5550

FM/AM TUNER — TUNER UNIT IS SUPPLIED AS THE ASSEMBLED BLOCK

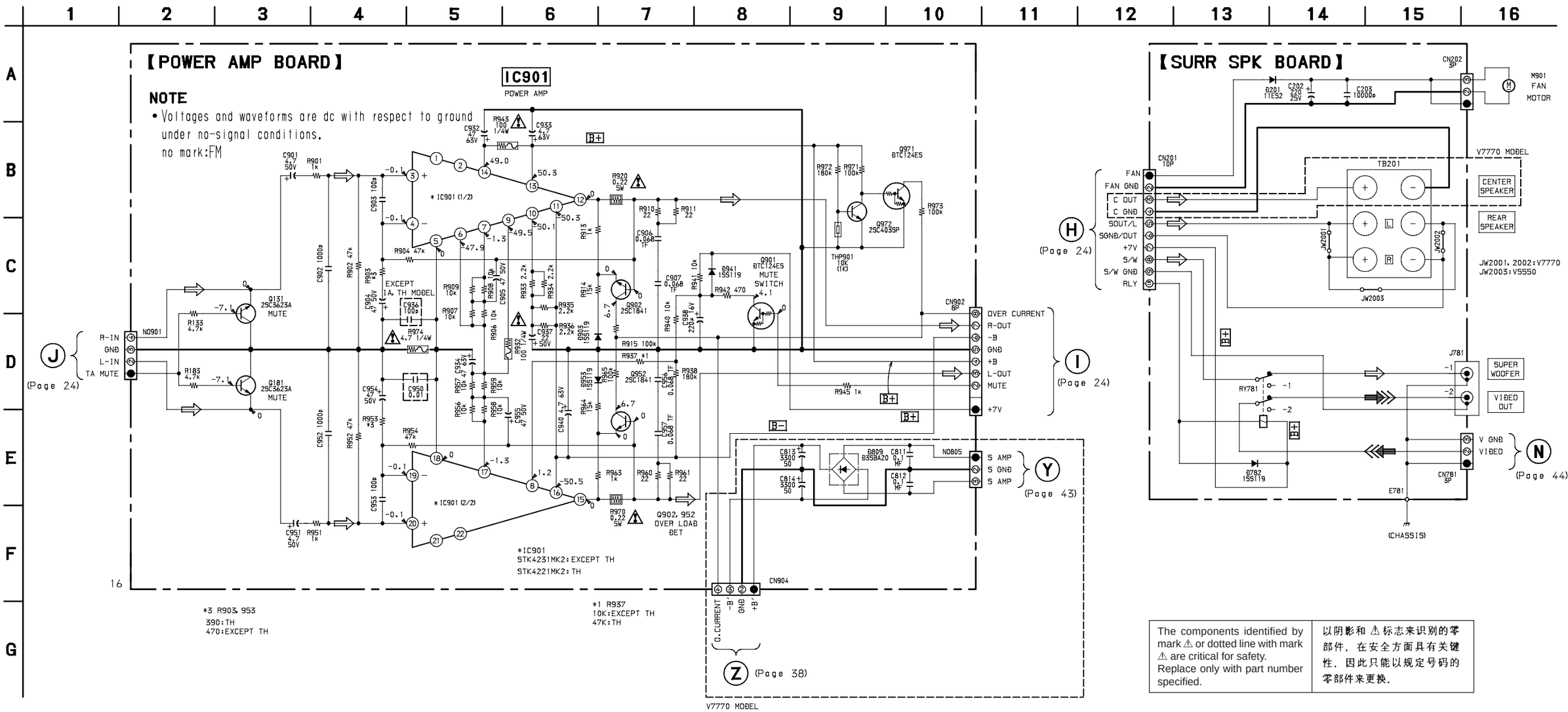
## 4-6. SCHEMATIC DIAGRAM — MAIN (2/2) SECTION —

• Refer to page 17 for Printed Wiring Board.
• Refer to page 47 for IC Block Diagrams.



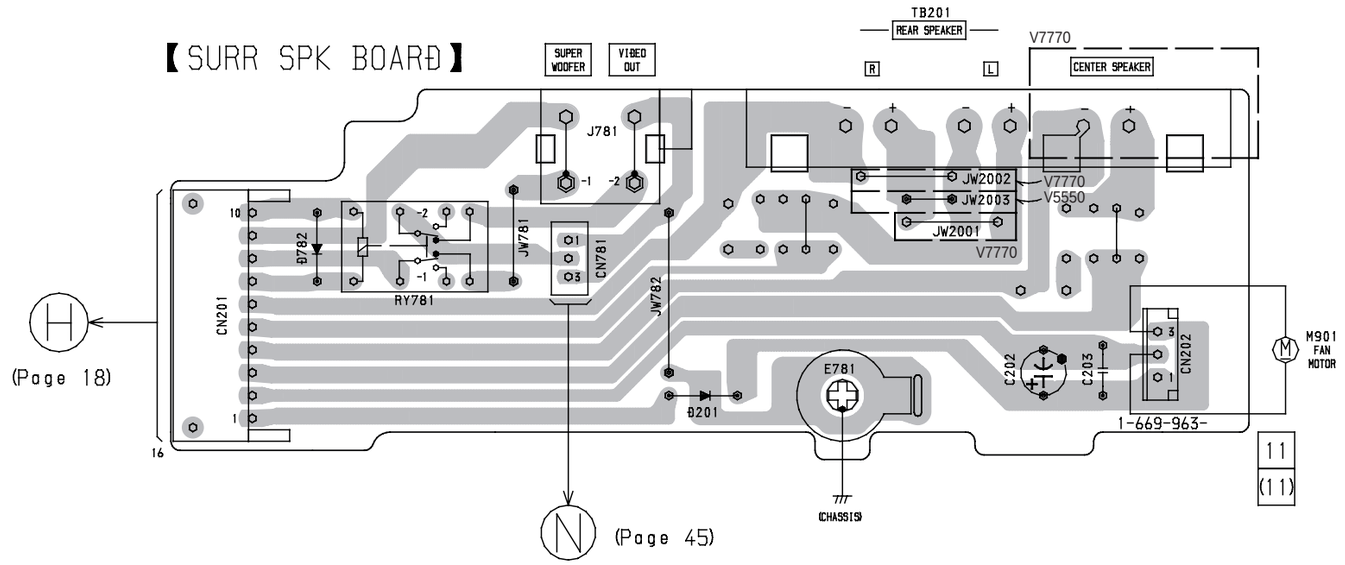

| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | 以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。 |
|---|---|

## 4-7. SCHEMATIC DIAGRAM — POWER AMP SECTION —

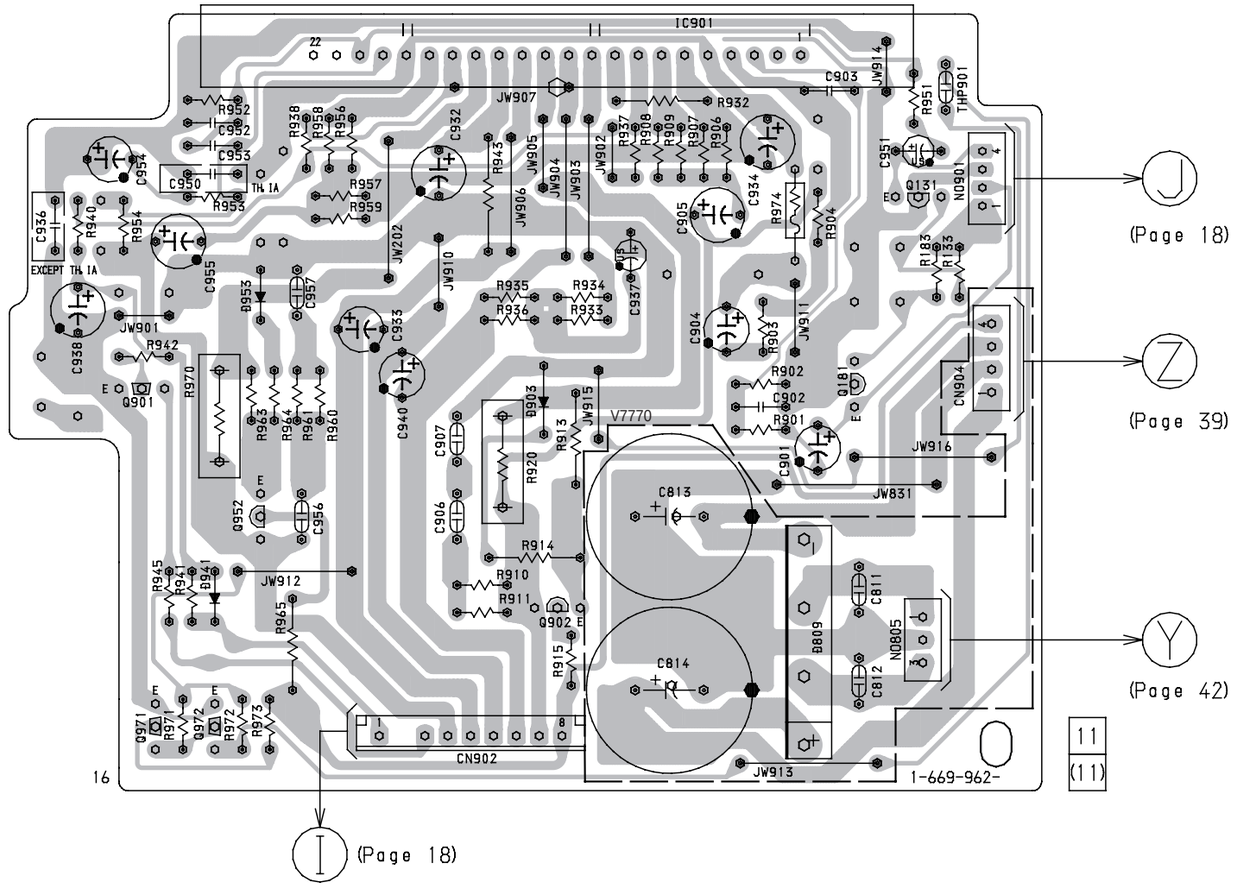



| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | 以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。 |

**4-8. PRINTED WIRING BOARD — POWER AMP SECTION —** • Refer to page 10 for Circuit Boards Location.




【POWER AMP BOARD】



## 4-9. SCHEMATIC DIAGRAM — DISPLAY SECTION —

- Refer to page 48 for IC Block Diagrams.
- Refer to page 16 for Waveform.

*1:R512 V7770:TH MODEL
*3:R511 V7770
*4:JW501 V5550

*2:JW502 V7770:HK. MY. SP. CH
*5:JW509 V7770
*6:JW508 V7770
*7:JW506 V5550
*8:JW507 V5550

【PANEL BOARD】

IC501 SYSTEM CONTROL
IC501 μPD780016AYGF-020-3BA

IC502 RESET
IC502 PST600E

IC503 REMOTE SENSOR

IC504 KU581-40 (SLIDING SENSOR)

IC505 SPEANA SELECTOR
IC505 μPB14053BC

IC506 SPECTRUM ANALYZER CONTROL
IC506 BA3863F

IC601 M66004M6FP DISPLAY CONTROL

FL601 FLUORESCENT INDICATOR TUBE

Q513 SENSOR SWITCH
Q513 DTC114ES LED ON/OFF SWITCH

Q502-509 LED ON/OFF SWITCH

Q510, 511 LED ON/OFF SWITCH

S501 EQ 16kHz +
S502 NAME IN
S503 CHAR
S504 EQ MEMORY
S505 OPEN/CLOSE
S506 TUNER BAND
S507 STEREO/MONO
S508 TUNING MEMORY
S509 KARAOKE PON /MPX
S510 OPEN SENSOR ON/OFF
S511 INSERT
S512 DELETE
S513 EQ 16kHz -
S514 FUNCTION
S515 TIMER SELECT
S516 CLOCK/ TIMER SET
S517 I/⏻
S518 DISPLAY/ DEMO
S520 SURROUND +
S521 SURROUND -
S522 BBFB -
S523 BBFB +
S524 EQ 63Hz +
S525 EQ 63Hz -
S526 EQ 250Hz -
S527 EQ 250Hz +
S528 EQ 1kHz +
S529 EQ 1kHz -
S530 EQ 4kHz +
S531 EQ 4kHz -

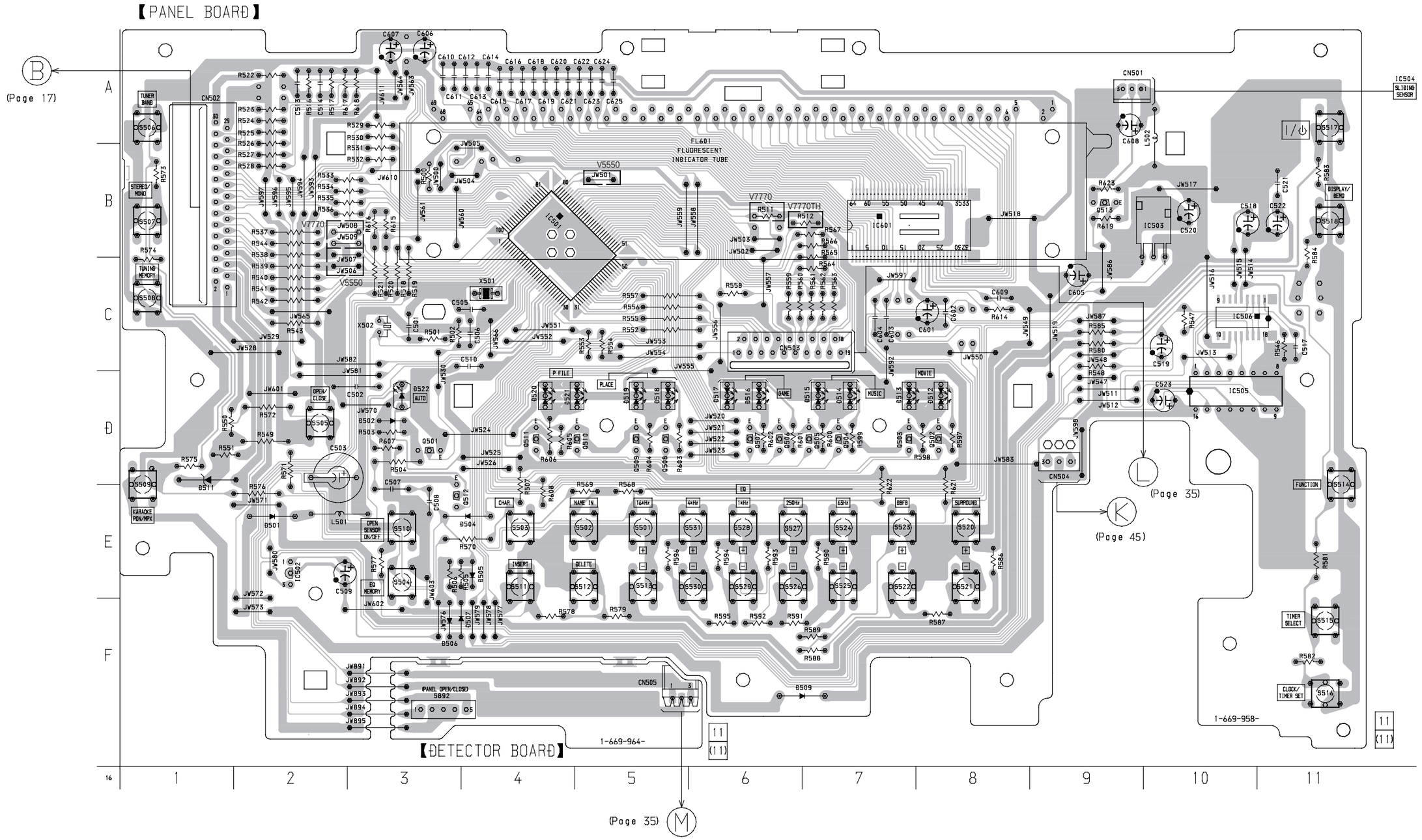
MOVIE
MUSIC
GAME
PLACE
P FILE

NOTE
- Voltages and waveforms are dc dc with respect to ground under no-signal conditions, no mark:FM

(K) (Page 44)
(M) (Page 34)
(B) (Page 20, 22)
(L) (Page 33)

## 4-10. PRINTED WIRING BOARD — DISPLAY SECTION —

• Refer to page 10 for Circuit Boards Location.




• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D501 | E-2 |
| D502 | D-3 |
| D504 | E-4 |
| D505 | F-4 |
| D506 | F-3 |
| D507 | F-3 |
| D509 | F-6 |
| D511 | D-1 |
| D512 | D-8 |
| D513 | D-7 |
| D514 | D-7 |
| D515 | D-7 |
| D516 | D-6 |
| D517 | D-6 |
| D518 | D-5 |
| D519 | D-5 |
| D520 | D-4 |
| D521 | D-5 |
| D522 | D-3 |
| IC501 | B-4 |
| IC502 | E-2 |
| IC503 | B-10 |
| IC505 | D-10 |
| IC506 | C-10 |
| IC601 | B-7 |
| Q501 | D-3 |
| Q502 | D-8 |
| Q503 | D-7 |
| Q505 | D-7 |
| Q504 | D-7 |
| Q506 | D-6 |
| Q507 | D-6 |
| Q508 | D-5 |
| Q509 | D-5 |
| Q510 | D-5 |
| Q511 | D-4 |
| Q512 | E-3 |
| Q513 | B-9 |

## 4-11. SCHEMATIC DIAGRAM — SLIDING PANEL SECTION —

• Refer to page 48 for IC Block Diagrams.

【LOADING PANEL BOARD】

**NOTE**

• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark:FM

【HEADPHONE BOARD】

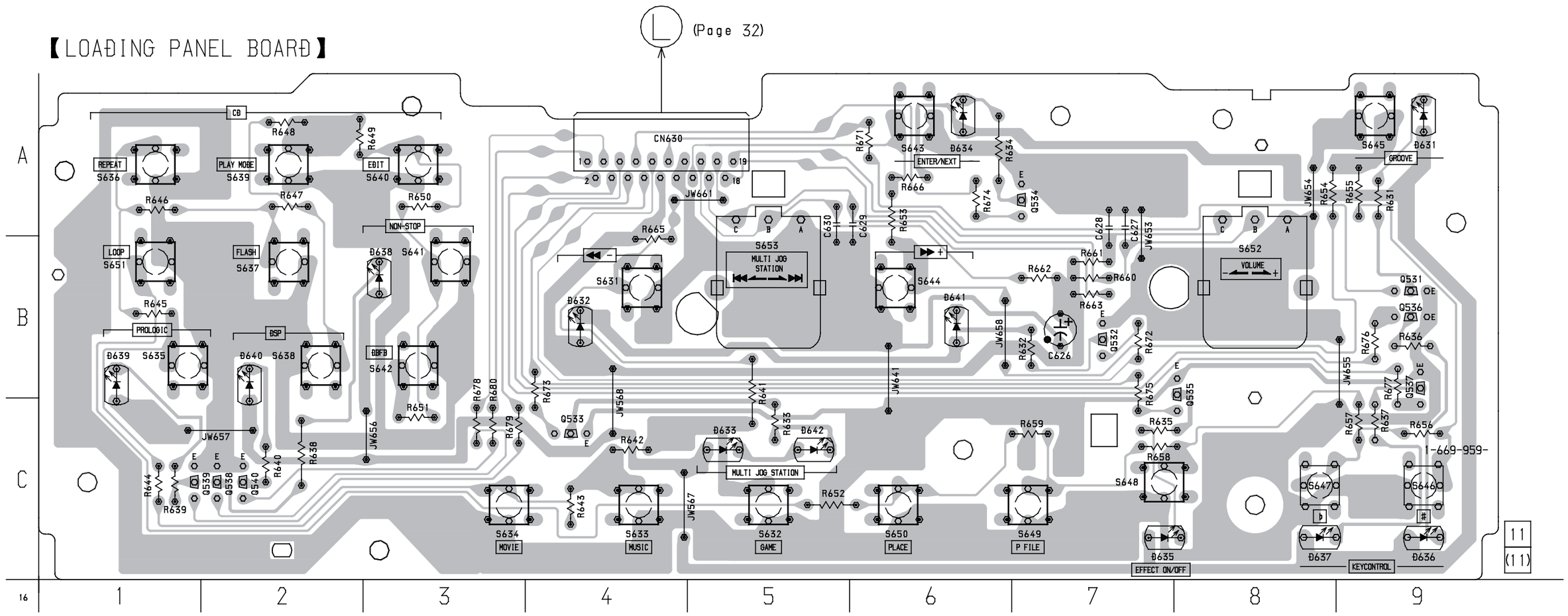
【MOTOR BOARD】

no mark:FM
OPEN:Pale open
CLOSE:Pale close

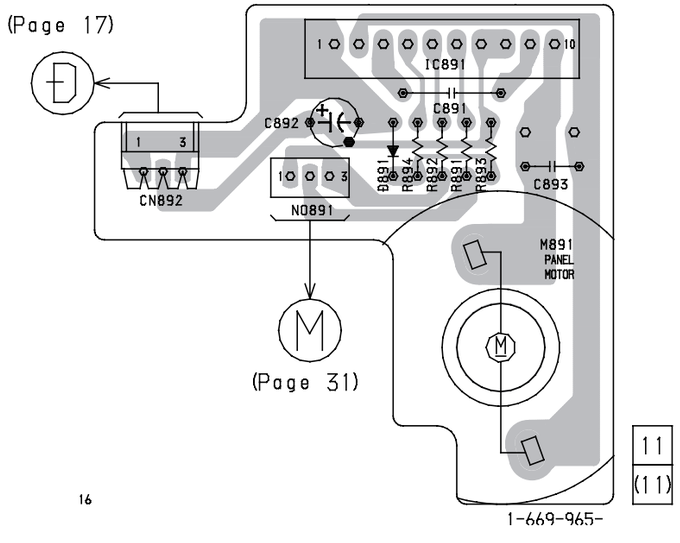
## 4-12. PRINTED WIRING BOARD — SLIDING PANEL SECTION —

• Refer to page 10 for Circuit Boards Location.

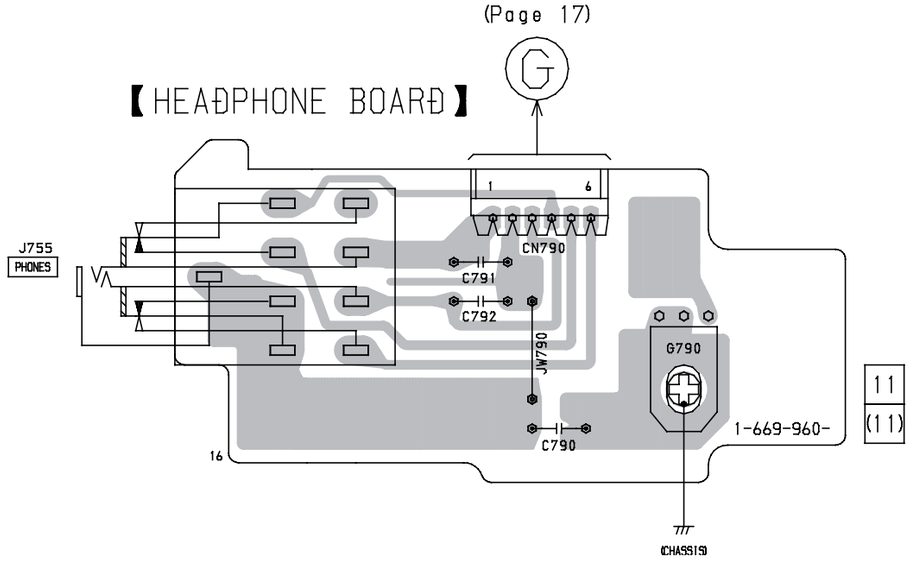
【LOADING PANEL BOARD】



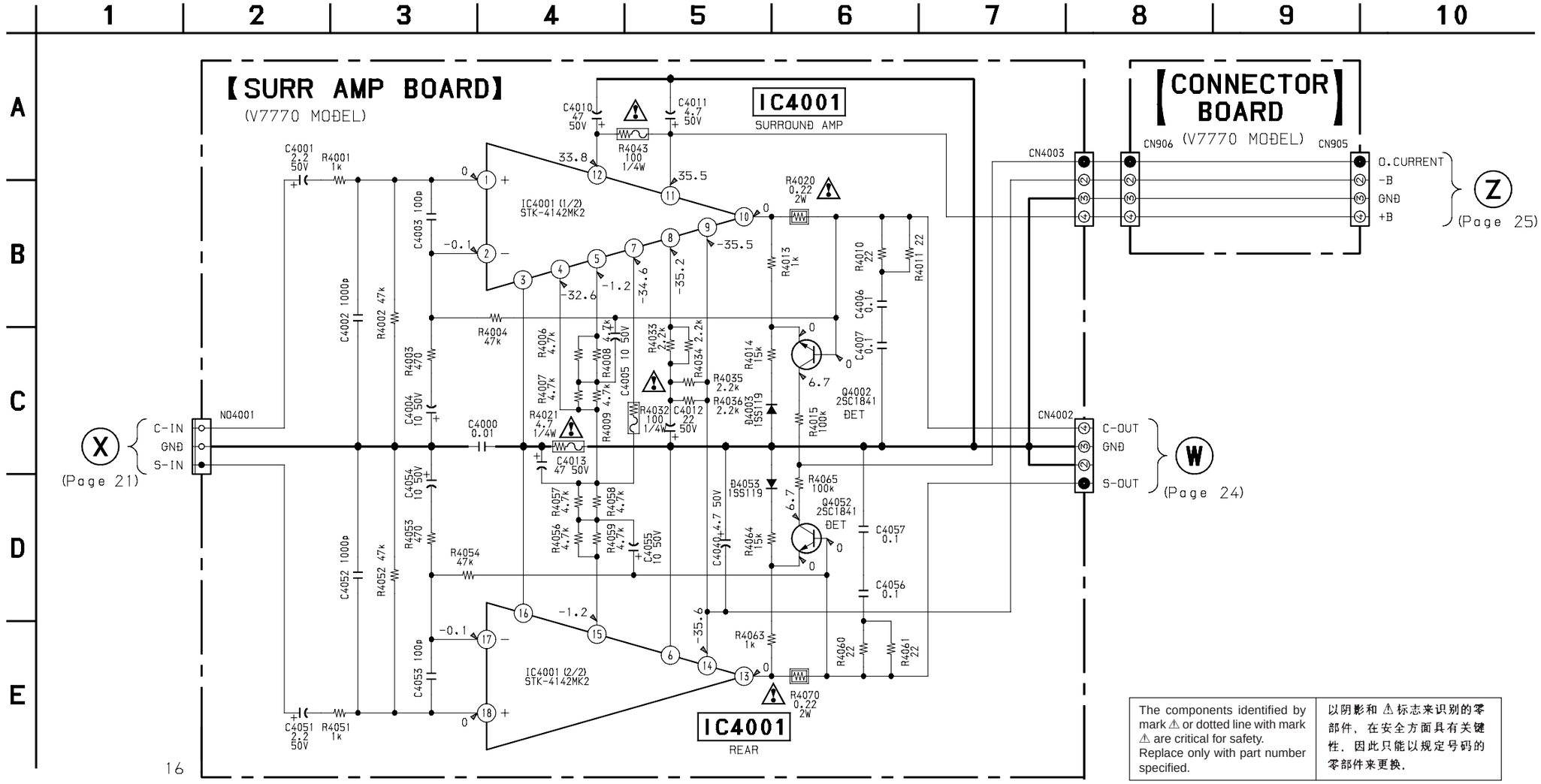

【MOTOR BOARD】




【HEADPHONE BOARD】



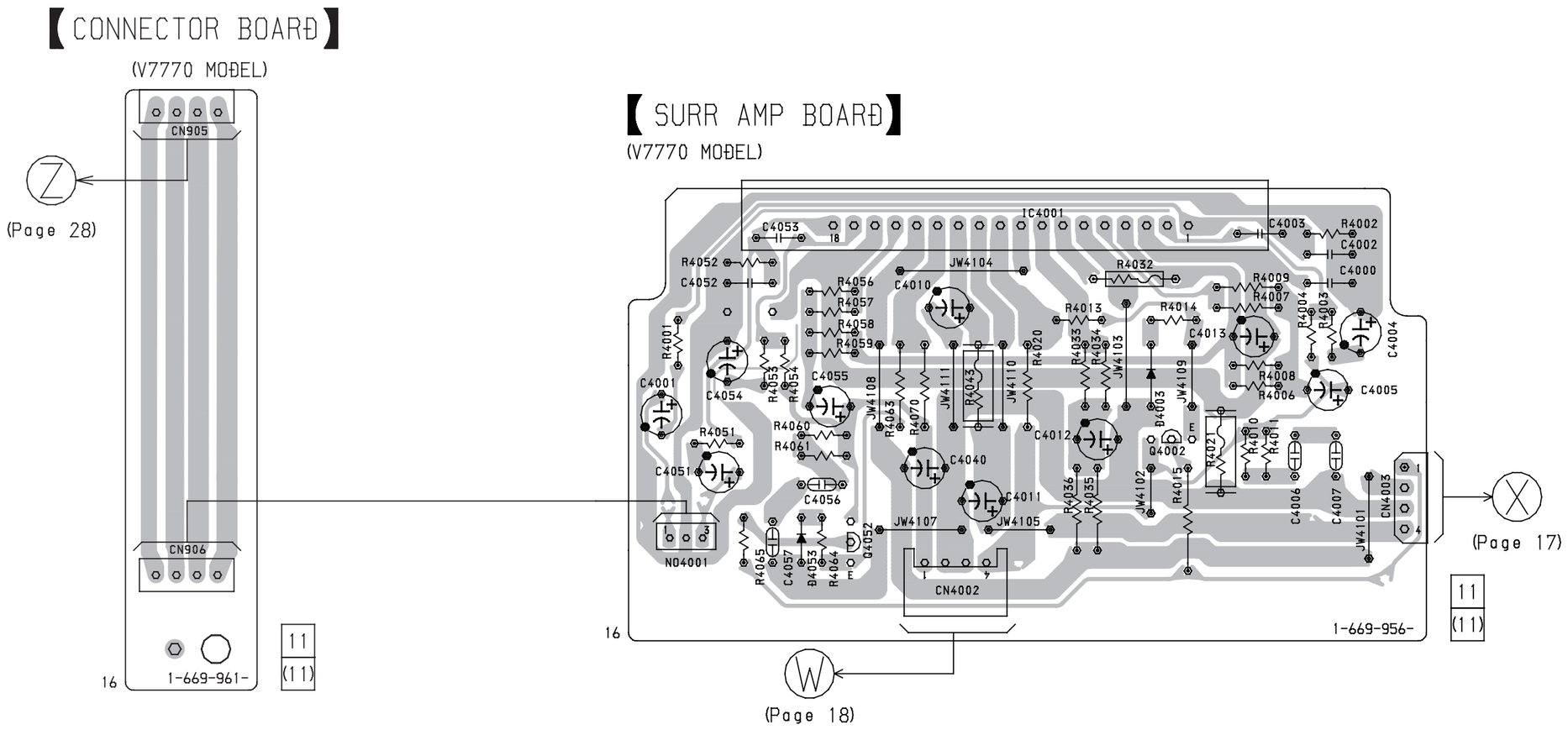
## 4-13. SCHEMATIC DIAGRAM — SURROUND AMP SECTION —




| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | 以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。 |

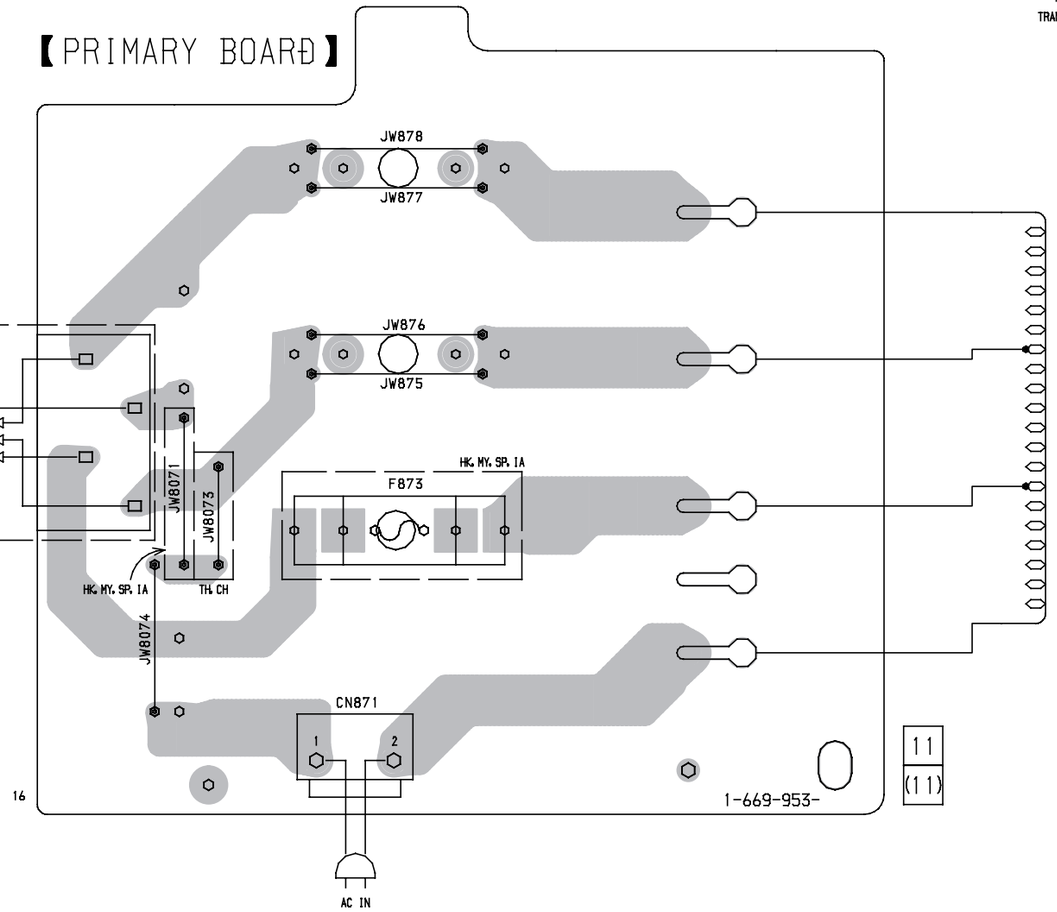
## 4-14. PRINTED WIRING BOARD — SURROUND AMP SECTION —

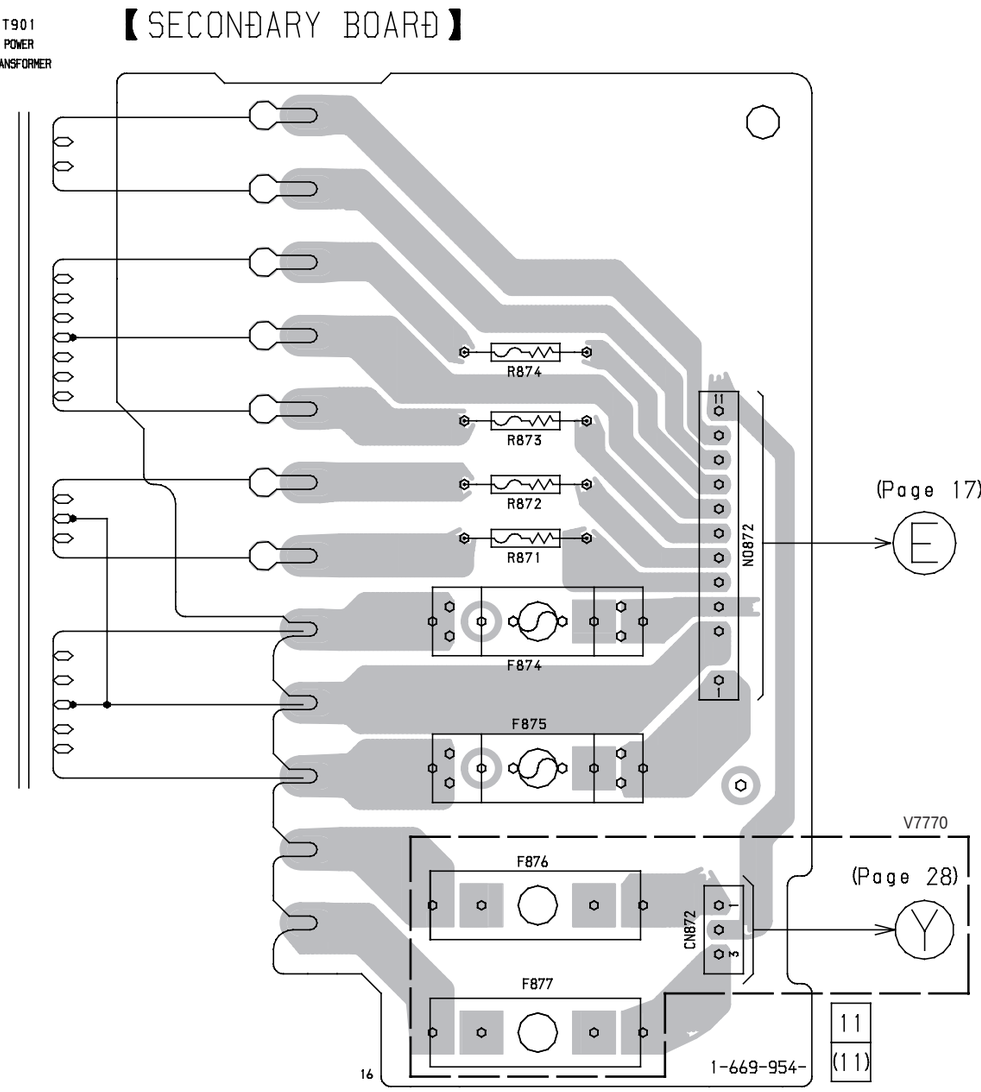
• Refer to page 10 for Circuit Boards Location.



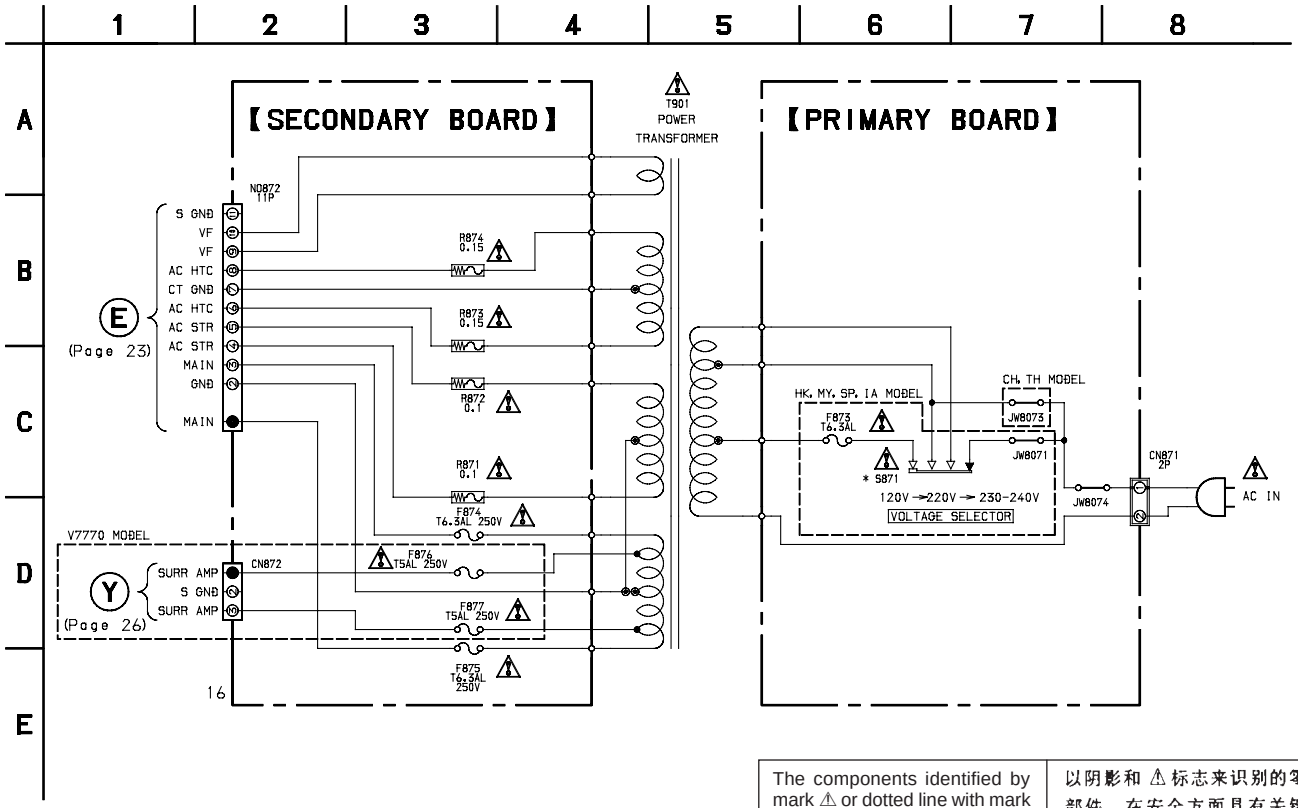
## 4-15. PRINTED WIRING BOARD — TRANS SECTION —

• Refer to page 10 for Circuit Boards Location.



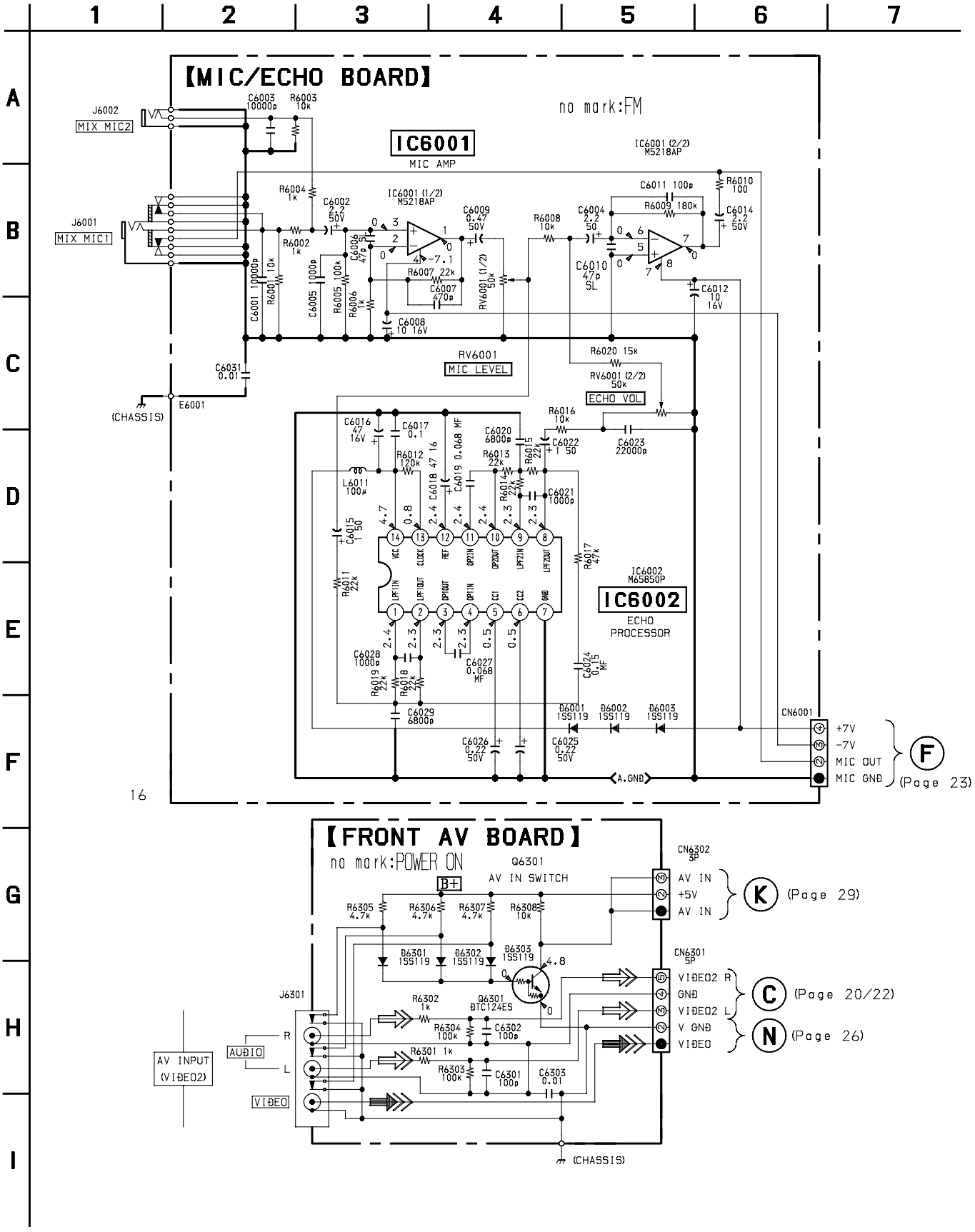



## 4-16. SCHEMATIC DIAGRAM – TRANS SECTION –



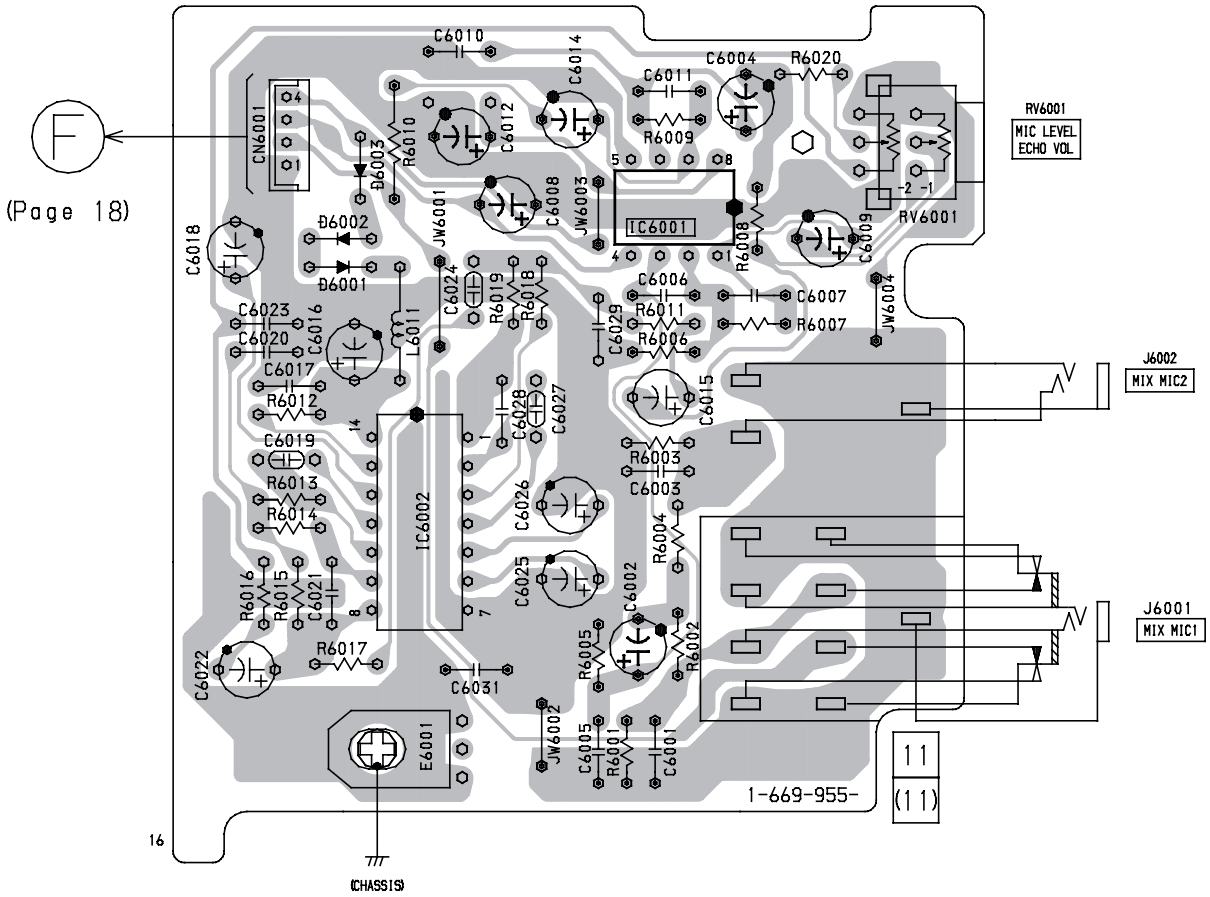

| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | 以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。 |

**4-17. SCHEMATIC DIAGRAM – AV/MIC SECTION –** • Refer to page 48 for IC Block Diagrams.

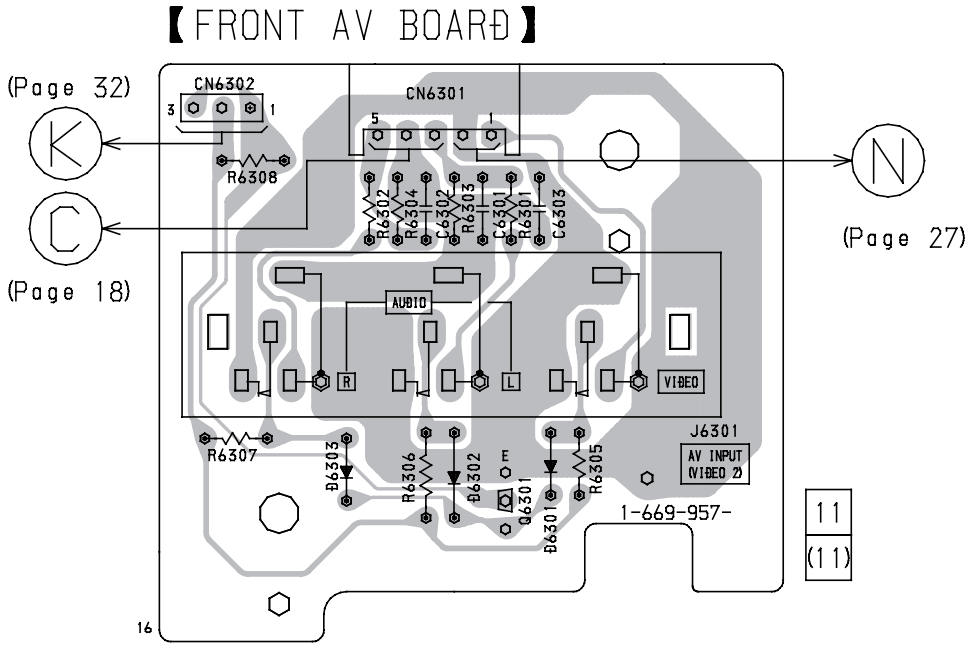


**4-18. PRINTED WIRING BOARD – AV/MIC SECTION –** • Refer to page 10 for Circuit Boards Location.

【MIC/ECHO BOARD】



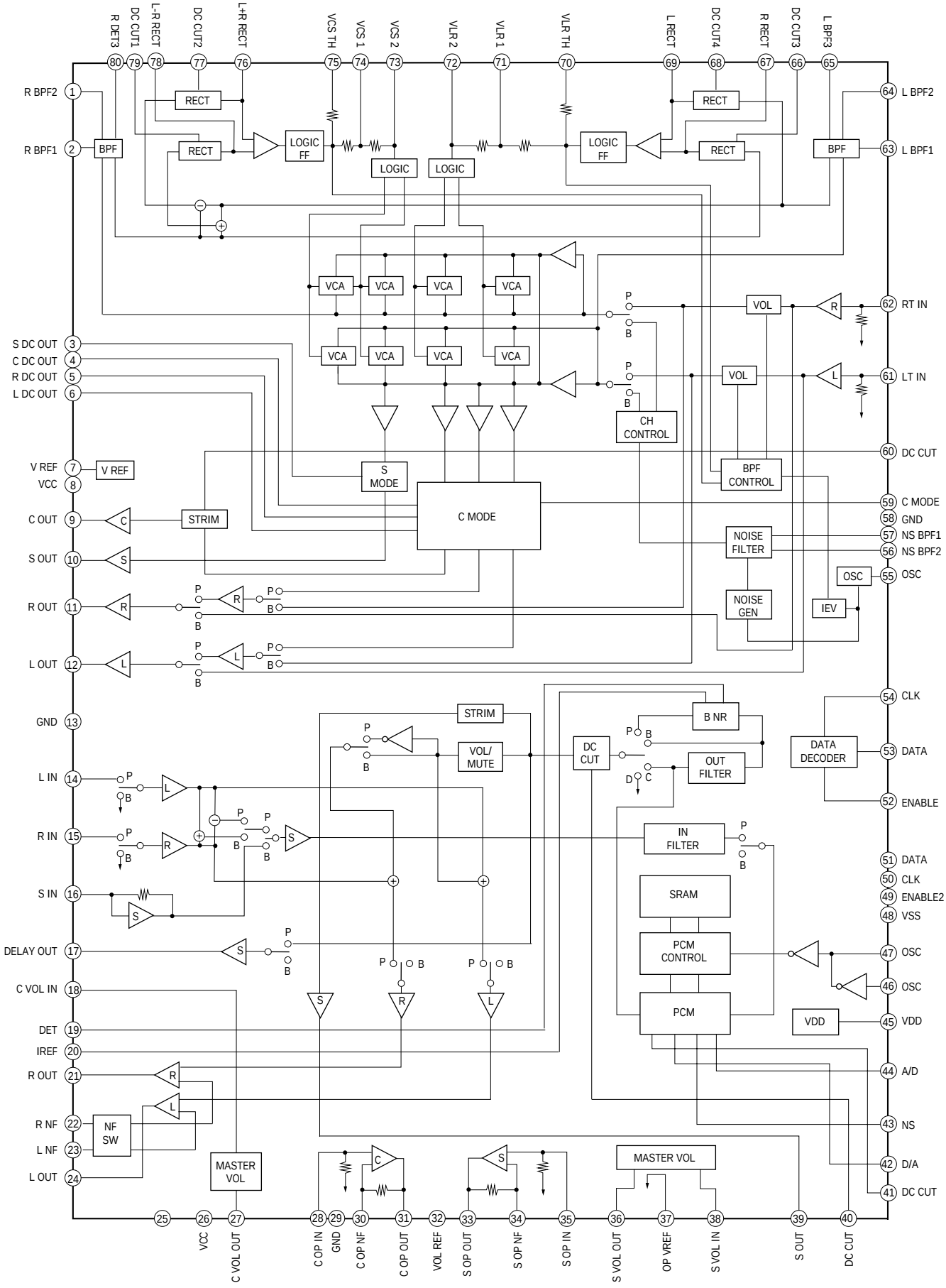

【FRONT AV BOARD】



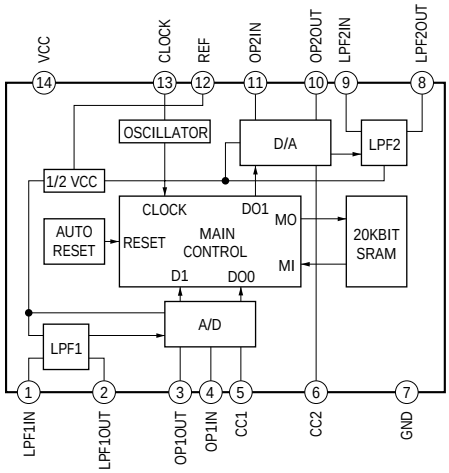
## 4-19. IC BLOCK DIAGRAMS

**• MAIN BOARD**

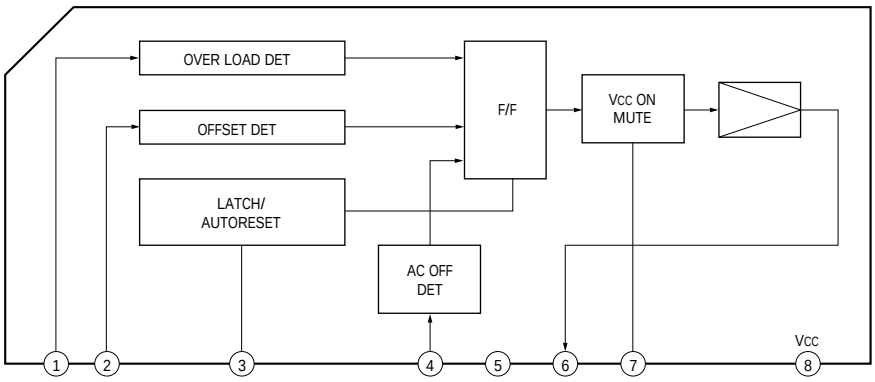
**IC300 LV1041M**



**IC401 M65850P**

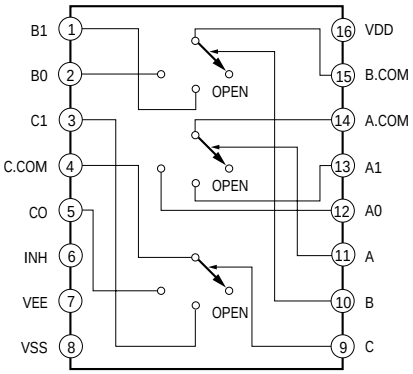



**IC851 µPC1237HA**

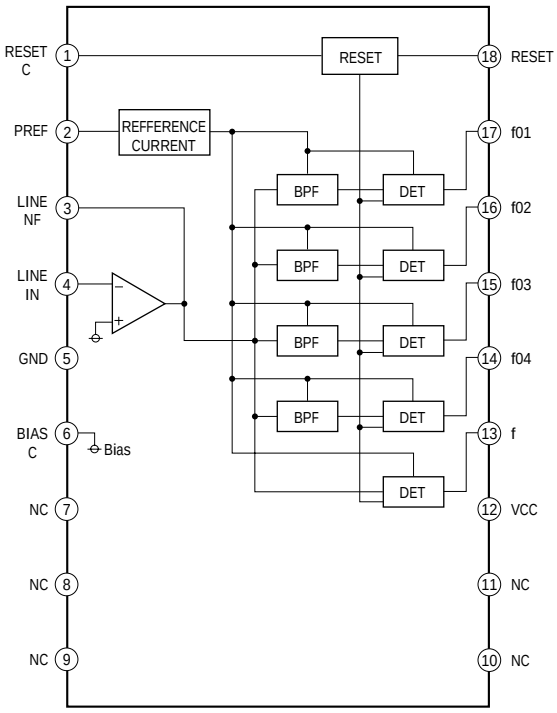


## • PANEL BOARD

### IC505 µPD4053BC

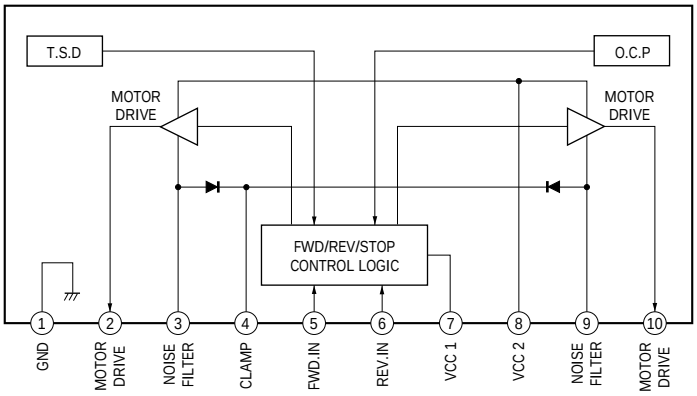



### IC506 BA3833F-E2



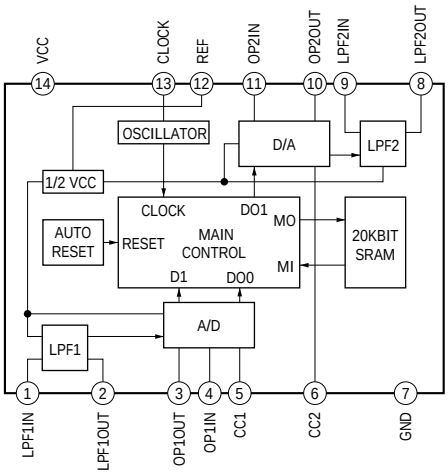

## • MOTOR BOARD

### IC891 LB1641




## • MIC/ECHO BOARD

### IC6002 M65850P



## 4-20. IC PIN FUNCTION

### • IC501 SYSTEM CONTROL (uPD780016AYGF-020-3BA)

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | CLK | — | Not used |
| 2 | LEVEL A | O | Surround level A signal output |
| 3 | LEVEL B | O | Surround level B signal output |
| 4 | PROLOGIC RLY | — | Not used |
| 5 | DBFB B2 | O | DBFB level 2 signal output |
| 6 | DBFB B1 | O | DBFB level 1 signal output |
| 7 | TA MUTE | O | Mute signal output |
| 8 | GND | — | Ground |
| 9 | TEST | — | Test terminal (Connected to ground) |
| 10 | X2 | O | X' tal (5MHz) |
| 11 | X1 | I | |
| 12 | VDD | — | Power supply (+5V) |
| 13 | XT2 | O | X' tal (32kHz) |
| 14 | XT1 | I | |
| 15 | RESET | I | Reset signal input |
| 16 | RDS CLK | I | RDS clock input |
| 17 | RDS DATA | I | RDS data input |
| 18 | VOL A | I | Rotary encoder (VOLUME) pulse input |
| 19 | VOL B | I | |
| 20 | JOG A | I | Rotary encoder (MULTI JOG STATION) pulse input |
| 21 | JOG B | I | |
| 22 | SPEANA CONT | O | Spectrum analyzer control output |
| 23 | VDD | — | Power supply (+5V) |
| 24 | A VDD | — | Analog power supply (+5V) |
| 25 | VACS | I | Audio input for VACS control |
| 26 | SPEANA0 | I | Spectrum analyzer data input |
| 27 | SPEANA1 | I | |
| 28 | KEY0 | I | Key data input |
| 29 | KEY1 | I | |
| 30 | KEY2 | I | |
| 31 | KEY3 | I | |
| 32 | ACCUT | I | Back up signal input |
| 33 | A VSS | — | Analog ground |
| 34 | GND | — | Ground |
| 35 | FL DATA | O | FL data output |
| 36 | FL CLK | O | FL clock output |
| 37 | FL LAT | O | FL latch output |
| 38 | FL RESET | O | FL reset output |
| 39 | GND | — | Ground |
| 40 | VSS | — | Ground |

• Abbreviation
FL : Fluorescent indicator tube

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 41 | AV IN | I | AV INPUT (VIDEO 2) switch input |
| 42 | SENSOR IN | I | Sliding (panel) sensor signal input |
| 43 | SIRCS IN | I | Remote sensor signal input |
| 44 | SPEANE RST | O | Spectrum analyzer reset output |
| 45 | GND | — | Ground |
| 46 | GND | — | |
| 47 | GND | — | |
| 48 | GND | — | |
| 49 | SOFT | O | Soft test terminal |
| 50 | SEN | O | Audio indicator output |
| 51 | MOVIE A | O | LED driver output |
| 52 | MOVIE G | O | |
| 53 | MUSIC A | O | |
| 54 | MUSIC G | O | |
| 55 | I2C DATA | I/O | Serial data input/output |
| 56 | I2C CLK | I/O | Serial clock input/output |
| 57 | GAME A | O | LED driver output |
| 58 | GAME G | O | |
| 59 | PLACE A | O | |
| 60 | PLACE G | O | |
| 61 | PFILE A | O | |
| 62 | PFILE G | O | |
| 63 | GROOVE | O | |
| 64 | +/– | O | |
| 65 | JOG | O | |
| 66 | ENTER | O | |
| 67 | EFECT | O | |
| 68 | KEYCON G | — | Not used |
| 69 | KEYCON A | — | |
| 70 | NON STOP | O | LED driver output |
| 71 | VSS | — | Ground |
| 72 | DELAY | O | LED driver output |
| 73 | REVER B | O | |
| 74 | SUFFIX0 | I | Destination terminal |
| 75 | SUFFIX1 | I | |
| 76 | SUFFIX2 | I | |
| 77 | SUFFIX3 | I | |
| 78 | WJ1/WJ3 | I | Model select terminal |
| 79 | GND | — | Ground |
| 80 | VCD | I | VCD select terminal “L”: NON-VCD (Connected to ground) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 81 | GND | — | Ground |
| 82 | MOTOR1 | O | Panel motor control output |
| 83 | MOTOR2 | O | |
| 84 | PANEL OPEN | O | Panel open switch output |
| 85 | PANEL CLOSE | O | Panel close switch output |
| 86 | ST. MUTE | O | ST mute signal output |
| 87 | STEREO | I | Stereo detection input for tuner |
| 88 | TUNED | I | Tuner detection input for tuner |
| 89 | LAT | O | Tuner PLL latch output |
| 90 | DATA IN | I | Tuner PLL data input |
| 91 | PCL OUT | O | Sub clock output |
| 92 | DATA OUT | O | Tuner PLL data output |
| 93 | CLK | O | Tuner clock output |
| 94 | POWER ON/OFF | O | Power on/off control output |
| 95 | GEQ LAT | O | GEQ latch output |
| 96 | GEQ DATA | O | GEQ data output |
| 97 | GEQ CLK | O | GEQ clock output |
| 98 | LAT1 | — | Not used |
| 99 | LAT2 | — | |
| 100 | DATA | — | |

• Abbreviation
GEQ : Graphic Equalizer
PLL : Phase Locked Loop

# SECTION 5
# EXPLODED VIEWS

NOTE:

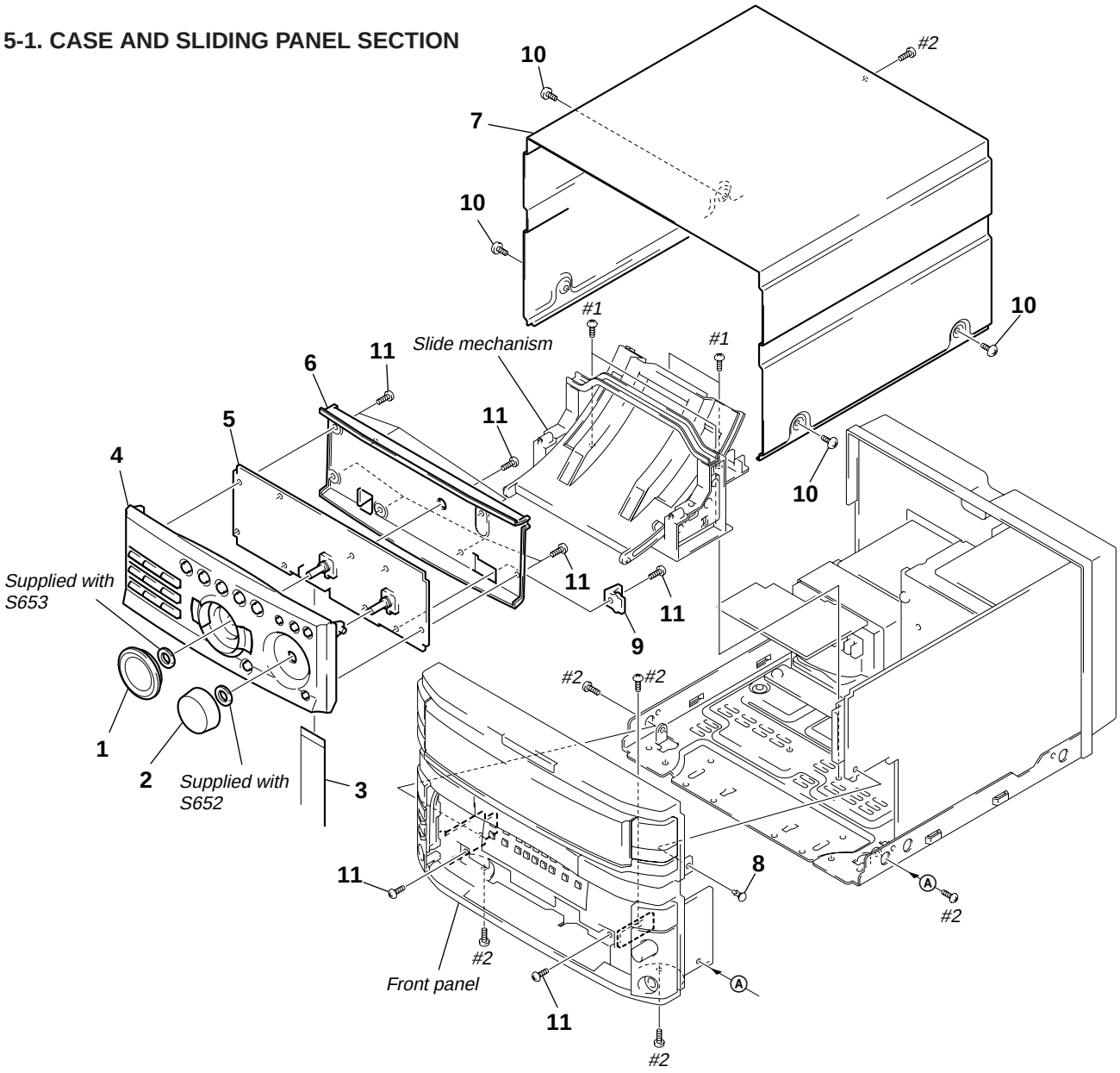
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
  HK : Hong Kong
  SP : Singapore
  MY : Malaysia
  CH : Chinese
  TH : Thai
  IA : Indonesia
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

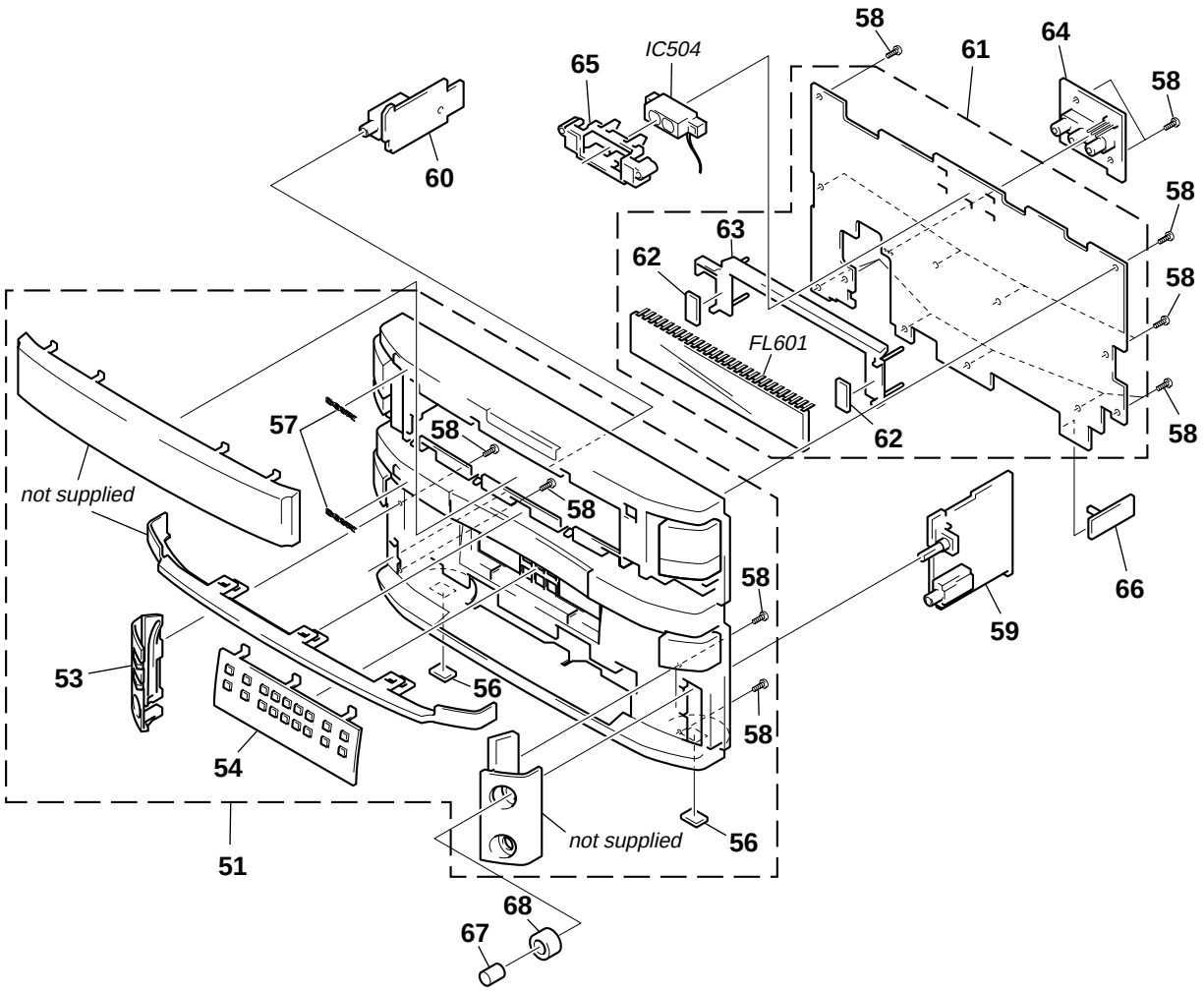
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

## 5-1. CASE AND SLIDING PANEL SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 1 | 4-900-825-01 | KNOB (JOG) | |
| 2 | 4-900-826-01 | KNOB (VOLUME) | |
| 3 | 1-773-125-11 | WIRE (FLAT TYPE) (19 CORE) | |
| 4 | X-4950-248-1 | SLIDING PANEL SUB ASSY (V5550) | |
| 4 | X-4950-249-1 | SLIDING PANEL SUB ASSY (V7770) | |
| * 5 | A-4414-709-A | LOADING PANEL BOARD, COMPLETE | |
| 6 | 4-900-855-01 | COVER | |
| * 7 | 4-900-858-01 | CASE | |
| 8 | 4-812-134-00 | RIVET (DIA. 3.5), NYLON | |
| * 9 | 4-900-852-01 | HOLDER LEVEL | |
| 10 | 3-363-099-01 | SCREW (CASE 3 TP2) | |
| 11 | 4-951-620-11 | SCREW (2.6 × 10), +BVTP | |

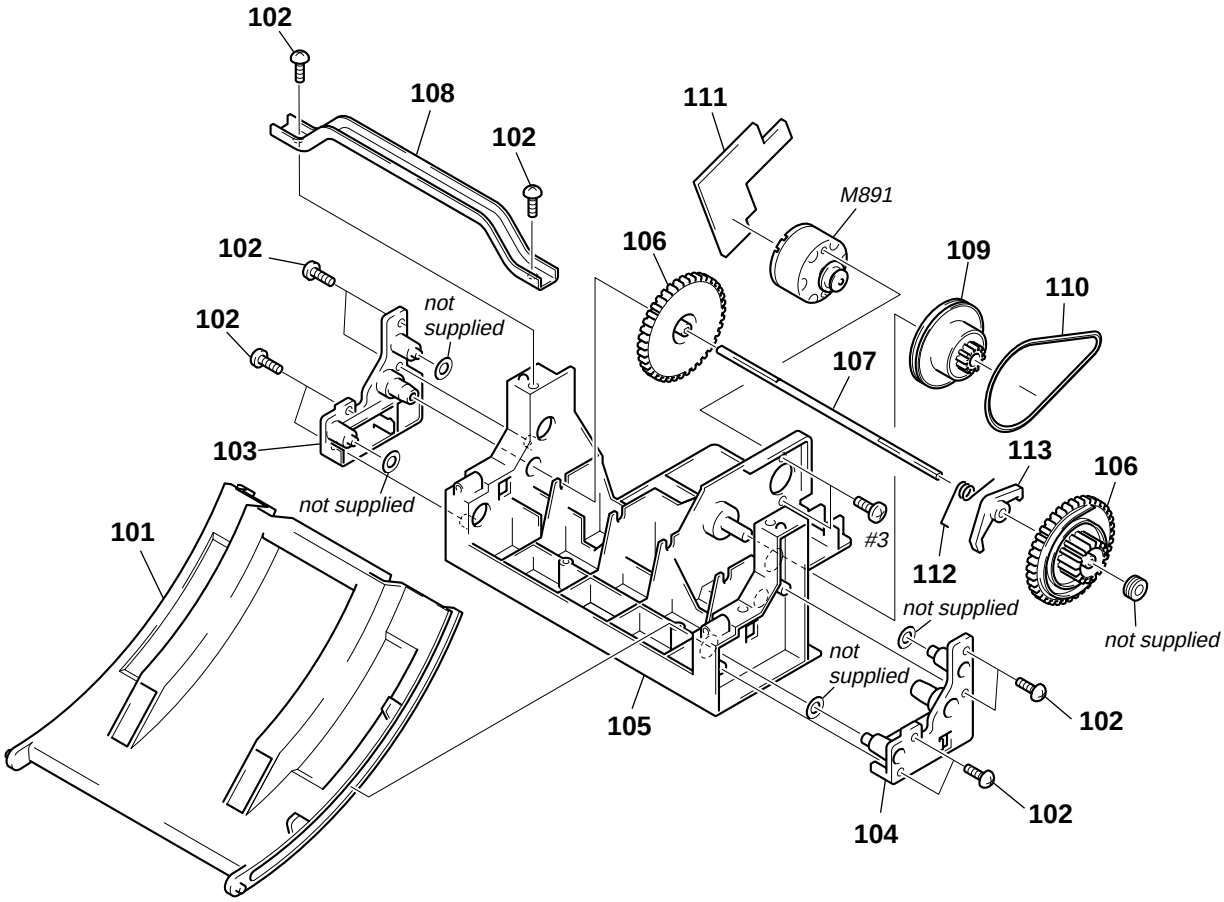
## 5-2. FRONT PANEL SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 51 | X-4950-247-1 | FRONT PANEL ASSY (V5550) | |
| 51 | X-4950-324-1 | FRONT PANEL ASSY (V7770) | |
| 53 | X-4949-993-1 | ESCUTCHEON (L) ASSY | |
| 54 | X-4949-994-1 | ESCUTCHEON (EQ) ASSY | |
| 56 | 4-977-358-11 | CUSHION | |
| 57 | 4-962-708-11 | EMBLEM (4-A), SONY | |
| 58 | 4-951-620-01 | SCREW (2.6 × 8), +BVTP | |
| * 59 | A-4414-708-A | MIC/ECHO BOARD, COMPLETE | |
| * 60 | 1-669-960-11 | HEADPHONE BOARD | |
| * 61 | A-4417-072-A | PANELBOARD, COMPLETE | (V5550: HK, MY, SP, CH) |
| * 61 | A-4414-737-A | PANEL BOARD,COMPLETE(V5550: IA) | |

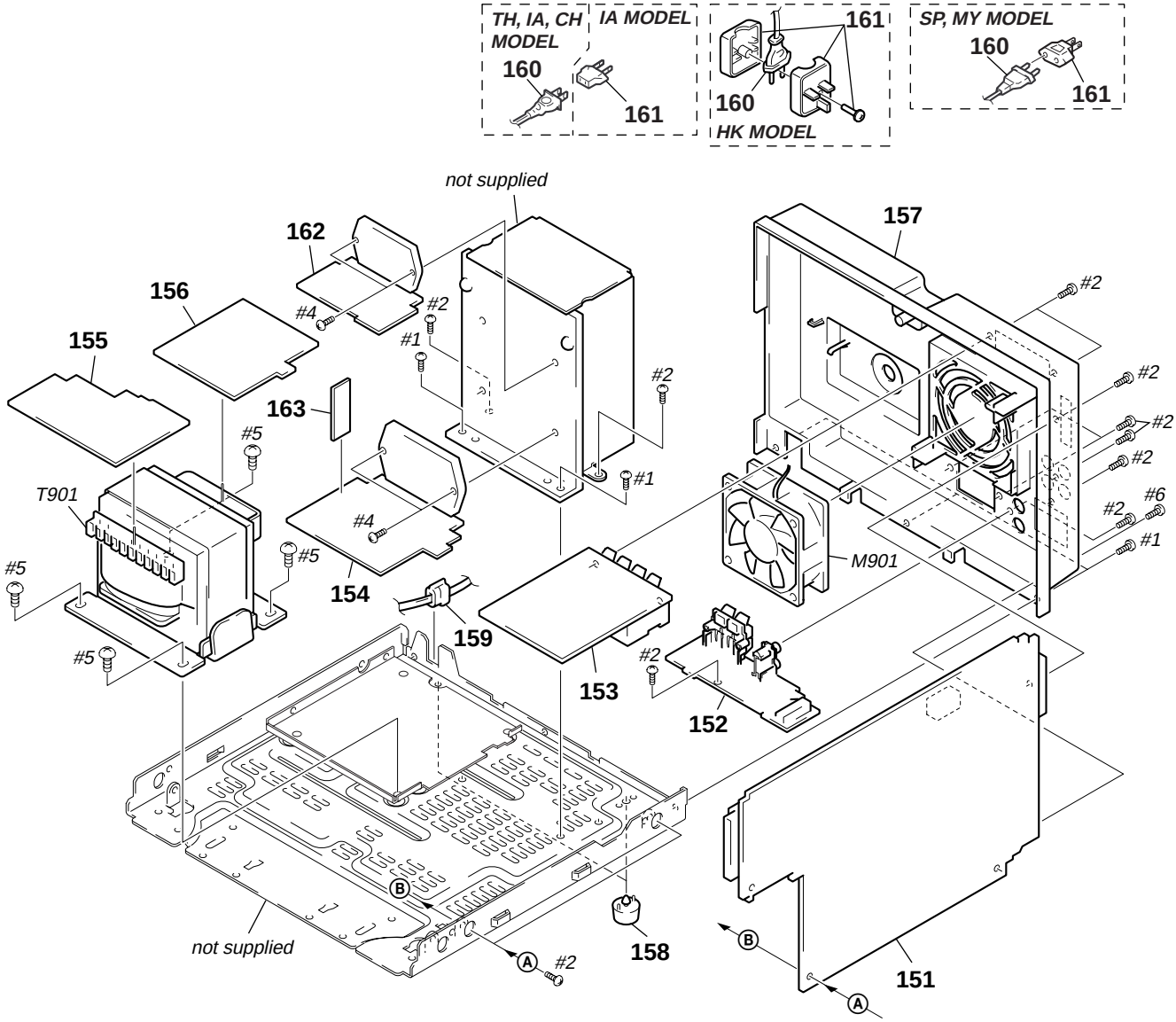
| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| * 61 | A-4417-076-A | PANEL BOARD,COMPLETE | (V7770: HK, MY, SP, CH) |
| * 61 | A-4417-069-A | PANEL BOARD,COMPLETE (V7770: TH) | |
| * 62 | 4-932-810-11 | CUSHION (FL) | |
| * 63 | 4-900-849-01 | HOLDER (FL) | |
| * 64 | 1-669-957-11 | FRONT AV BOARD | |
| 65 | 4-900-845-01 | BRACKET SLIDER | |
| * 66 | 1-669-964-11 | DETECTOR BOARD | |
| 67 | 4-900-868-01 | KNOB (CENTER) | |
| 68 | 4-900-867-01 | KNOB (CONTROL) | |
| FL601 | 1-517-775-11 | INDICATOR TUBE, FLUORESCENT | |
| IC504 | 8-719-070-85 | IC KU381-40 | |

## 5-3. SLIDE MECHANISM SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 101 | 4-900-844-01 | LEVEL SLIDER | |
| 102 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| 103 | X-4950-394-1 | HOLDER (L) ASSY | |
| 104 | X-4950-395-1 | HOLDER (R) ASSY | |
| * 105 | 4-210-042-01 | BRACKET (SENSOR) | |
| 106 | 4-900-846-01 | GEAR (1) | |
| 107 | 4-900-862-01 | SHAFT CENTER | |
| 108 | 4-900-864-01 | BRACKET TOP | |
| 109 | 4-900-847-01 | GEAR (2) | |
| 110 | 3-344-059-01 | BELT (L) | |
| * 111 | 1-669-965-11 | MOTOR BOARD | |
| 112 | 4-212-966-01 | SPRING LAVEL | |
| 113 | 4-212-965-01 | STOPPER LAVEL | |
| M891 | A-4660-926-A | MOTOR (CDM) ASSY | |

## 5-4. CIRCUIT BOARDS AND BACK PANEL SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| * 151 | A-4414-198-A | MAIN BOARD, COMPLETE (V5550) | |
| * 151 | A-4414-215-A | MAIN BOARD, COMPLETE (V7770) | |
| * 152 | 1-669-963-11 | SURR SPK BOARD | |
| 153 | 1-233-545-31 | ENCAPSULATED COMPONENT (TH) | |
| 153 | 1-233-546-31 | ENCAPSULATED COMPONENT (EXCEPT TH) | |
| * 154 | A-4414-209-A | POWER AMP BOARD, COMPLETE (V5550: HK, MY, SP, CH) | |
| * 154 | A-4414-734-A | POWER AMP BOARD, COMPLETE (V5550: IA) | |
| * 154 | A-4414-221-A | POWER AMP BOARD, COMPLETE (V7770: HK, MY, SP, CH) | |
| * 154 | A-4414-784-A | POWER AMP BOARD, COMPLETE (V7770: TH) | |
| * 155 | 1-669-954-11 | SECONDARY BOARD | |
| * 156 | 1-669-953-11 | PRIMARY BOARD | |
| * 157 | 4-900-848-51 | BACK PANEL (V5550: HK, MY, SP, IA) | |
| * 157 | 4-900-848-61 | BACK PANEL (V7770: HK, MY, SP) | |
| * 157 | 4-900-848-71 | BACK PANEL (V7770: TH, CH) | |
| * 157 | 4-900-848-81 | BACK PANEL (V5550: CH) | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 158 | 4-970-381-11 | FOOT (REAR) | |
| * 159 | 3-703-244-00 | BUSHING (2104), CORD (EXCEPT TH) | |
| * 159 | 3-703-571-11 | BUSHING (S) (4516), CORD (TH) | |
| ⚠160 | 1-751-326-31 | CORD, POWER (TH) | |
| ⚠160 | 1-777-071-21 | CORD, POWER (HK, MY, SP) | |
| ⚠160 | 1-782-315-11 | CORD, POWER (IA) | |
| ⚠160 | 1-783-205-11 | CORD, POWER (CH) | |
| ⚠161 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (IA) | |
| ⚠161 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (MY, SP) | |
| ⚠161 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (HK) | |
| * 162 | A-4414-219-A | SURR AMP BOARD, COMPLETE (V7770) | |
| * 163 | 1-669-961-11 | CONNECTOR BOARD (V7770) | |
| M901 | 1-763-117-11 | FAN, DC | |
| ⚠T901 | 1-431-901-11 | TRANSFORMER, POWER (V7770) | |
| ⚠T901 | 1-431-904-11 | TRANSFORMER, POWER (V5550) | |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

**CONNECTOR** **FRONT AV**

**HEADPHONE** **LOADING PANEL**

# SECTION 6
# ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
  HK : Hong Kong
  SP : Singapore
  MY : Malaysia
  CH : Chinese
  TH : Thai
  IA : Indonesia

- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH

When indicating parts by reference number, please include the board name.

- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

| Ref. No. | Part No. | Description | | | | Remarks |
|---|---|---|---|---|---|---|
| * | 1-669-961-11 | CONNECTOR BOARD (V7770) | | | | |
| | | ********** | | | | |
| | | < CONNECTOR > | | | | |
| * CN905 | 1-691-174-11 | CONNECTOR (BOARD TO BOARD) 4P | | | | |
| CN906 | 1-691-161-11 | PIN, CONNECTOR 4P | | | | |
| * | 1-669-964-11 | DETECTOR BOARD | | | | |
| * CN505 | 1-568-941-11 | PIN, CONNECTOR 3P | | | | |
| | | < SWITCH > | | | | |
| S892 | 1-571-300-21 | SWITCH, ROTARY (PANEL OPEN/CLOSE) | | | | |
| ********** | | | | | | |
| * | 1-669-957-11 | FRONT AV BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C6301 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C6302 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C6303 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C6304 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | |
| | | | | | (EXCEPT IA, TH) | |
| | | < CONNECTOR > | | | | |
| * CN6301 | 1-564-520-11 | PLUG, CONNECTOR 5P | | | | |
| * CN6302 | 1-560-666-00 | PIN, CONNECTOR 3P | | | | |
| | | < DIODE > | | | | |
| D6301 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D6302 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D6303 | 8-719-911-19 | DIODE 1SS119 | | | | |
| | | < JACK > | | | | |
| J6301 | 1-784-901-11 | JACK, PIN 3P (AV INPUT) | | | | |
| | | < COIL > | | | | |
| L6301 | 1-412-473-21 | INDUCTOR 0uH (EXCEPT IA, TH) | | | | |
| | | < TRANSISTOR > | | | | |
| Q6301 | 8-729-900-36 | TRANSISTOR DTC124ES | | | | |

| Ref. No. | Part No. | Description | | | | Remarks |
|---|---|---|---|---|---|---|
| | | < RESISTOR > | | | | |
| R6301 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R6302 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R6303 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R6304 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R6305 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R6306 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R6307 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R6308 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| ********** | | | | | | |
| * | 1-669-960-11 | HEADPHONE BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C790 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C791 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |
| C792 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |
| | | < CONNECTOR > | | | | |
| * CN790 | 1-568-944-11 | PIN, CONNECTOR 6P | | | | |
| | | < TERMINAL > | | | | |
| * G790 | 1-537-738-21 | TERMINAL, EARTH | | | | |
| | | < JACK > | | | | |
| J755 | 1-770-226-11 | JACK (LARGE TYPE)(PHONES) | | | | |
| ********** | | | | | | |
| * | A-4414-709-A | LOADING PANEL BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C626 | 1-124-584-00 | ELECT | 100uF | 20% | 10V | |
| C627 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C628 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C629 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C630 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| | | < CONNECTOR > | | | | |
| CN630 | 1-569-308-11 | SOCKET, CONNECTOR (L TYPE) 19P | | | | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| | | < DIODE > | |
| D631 | 8-719-046-39 | DIODE SEL5821A-TH15 (GROOVE) | |
| D632 | 8-719-046-44 | DIODE SEL5221S (REW) | |
| D633 | 8-719-058-04 | DIODE SEL5223S-TP15 (MULTI JOG STATION) | |
| D634 | 8-719-046-44 | DIODE SEL5221S (ENTER/NEXT) | |
| D635 | 8-719-046-44 | DIODE SEL5221S (EFFECT ON/OFF) | |
| D636 | 8-719-046-43 | DIODE SEL5421E-TP15 (KEY CONTROL ♯) | |
| D637 | 8-719-046-39 | DIODE SEL5821A-TH15 (KEY CONTROL ♭) | |
| D638 | 8-719-046-44 | DIODE SEL5221S (NON-STOP) | |
| D639 | 8-719-046-44 | DIODE SEL5221S (DSP) | |
| D640 | 8-719-046-44 | DIODE SEL5221S (PROLOGIC) | |
| D641 | 8-719-046-44 | DIODE SEL5221S (FF) | |
| D642 | 8-719-058-04 | DIODE SEL5223S-TP15 (MULTI JOG STATION) | |
| | | < TRANSISTOR > | |
| Q531 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q532 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q533 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q534 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q535 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q536 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q537 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q538 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q539 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q540 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| | | < RESISTOR > | |

| | | | | | | |
|---|---|---|---|---|---|---|
| R631 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | F |
| R632 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | F |
| R633 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | F |
| R634 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | F |
| R635 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R636 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | F |
| R637 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | F |
| R638 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R639 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R640 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R641 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R642 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | F |
| R643 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R644 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R645 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R646 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R647 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | F |
| R648 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R649 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | F |
| R650 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F |
| R651 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| R652 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R653 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R654 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | F |
| R655 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R656 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R657 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R658 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R659 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | F |
| R660 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R661 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R662 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R663 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R665 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| R666 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| R671 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R672 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R673 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R674 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R675 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R676 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R677 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R678 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R679 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R680 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| | | < SWITCH > | | | | |
| S631 | 1-762-378-11 | SWITCH, TACTILE (REW) | | | | |
| S632 | 1-762-378-11 | SWITCH, TACTILE (GAME) | | | | |
| S633 | 1-762-378-11 | SWITCH, TACTILE (MUSIC) | | | | |
| S634 | 1-762-378-11 | SWITCH, TACTILE (MOVIE) | | | | |
| S635 | 1-762-378-11 | SWITCH, TACTILE (PROLOGIC) | | | | |
| S636 | 1-762-378-11 | SWITCH, TACTILE (CD REPEAT) | | | | |
| S637 | 1-762-378-11 | SWITCH, TACTILE (FLASH) | | | | |
| S638 | 1-762-378-11 | SWITCH, TACTILE (DSP) | | | | |
| S639 | 1-762-378-11 | SWITCH, TACTILE (CD PLAY MODE) | | | | |
| S640 | 1-762-378-11 | SWITCH, TACTILE (CD EDIT) | | | | |
| S641 | 1-762-378-11 | SWITCH, TACTILE (NON-STOP) | | | | |
| S642 | 1-762-378-11 | SWITCH, TACTILE (DBFB) | | | | |
| S643 | 1-762-378-11 | SWITCH, TACTILE (ENTER/NEXT) | | | | |
| S644 | 1-762-378-11 | SWITCH, TACTILE (FF) | | | | |
| S645 | 1-762-378-11 | SWITCH, TACTILE (GROOVE) | | | | |
| S646 | 1-762-378-11 | SWITCH, TACTILE (KEY CONTROL ♯) | | | | |
| S647 | 1-762-378-11 | SWITCH, TACTILE (KEY CONTROL ♭) | | | | |
| S648 | 1-762-378-11 | SWITCH, TACTILE (EFFECT ON/OFF) | | | | |
| S649 | 1-762-378-11 | SWITCH, TACTILE (P FILE) | | | | |
| S650 | 1-762-378-11 | SWITCH, TACTILE (PLACE) | | | | |
| S651 | 1-762-378-11 | SWITCH, TACTILE (LOOP) | | | | |
| S652 | 1-473-392-11 | ENCODER, ROTARY (VOLUME) | | | | |
| S653 | 1-467-968-11 | ENCODER, ROTARY (MULTI JOG STATION) | | | | |

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| | | | | | |
|---|---|---|---|---|---|
| * | A-4414-198-A | MAIN BOARD, COMPLETE (V5550) | | | |
| | | ********** | | | |
| * | A-4414-215-A | MAIN BOARD, COMPLETE (V7770) | | | |
| | | ********** | | | |
| | 7-685-872-09 | SCREW +BVTT 3×8 (S) | | | |
| | | < CAPACITOR > | | | |
| C103 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C105 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C108 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C111 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C112 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V |
| C113 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C114 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C115 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C116 | 1-162-301-11 | CERAMIC | 0.0015uF | 20% | 16V |
| C117 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |

# MAIN

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C118 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C119 | 1-162-600-11 | CERAMIC | 0.0047uF | 30% | 16V |
| C121 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C122 | 1-162-291-31 | CERAMIC | 560PF | 10% | 50V |
| C123 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C124 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C125 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C126 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C127 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C128 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C129 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C131 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C134 | 1-104-664-11 | ELECT | 47uF | 20% | 25V |
| C135 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C153 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C161 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C162 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V |
| C163 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C164 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C165 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C166 | 1-162-301-11 | CERAMIC | 0.0015uF | 20% | 16V |
| C167 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C168 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C169 | 1-162-600-11 | CERAMIC | 0.0047uF | 30% | 16V |
| C171 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C172 | 1-162-291-31 | CERAMIC | 560PF | 10% | 50V |
| C173 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C174 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C175 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C176 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C177 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C178 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C181 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C183 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C184 | 1-162-303-11 | CERAMIC | 0.0033uF | 30% | 16V |
| C186 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C187 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C188 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C301 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V (V7770) |
| C302 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (V7770) |
| C303 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V (V7770) |
| C304 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (V7770) |
| C305 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V (V7770) |
| C306 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V (V7770) |
| C307 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V (V7770) |
| C308 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V (V7770) |
| C309 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V (V7770) |
| C310 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V (V7770) |
| C311 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (V7770) |
| C312 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V (V7770) |
| C313 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (V7770) |
| C314 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V (V7770) |
| C315 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V (V7770) |
| C316 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V (V7770) |
| C317 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C318 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C319 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V7770) |
| C320 | 1-136-173-00 | FILM | 0.47uF | 5% | 50V (V7770) |
| C321 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V (V7770) |
| C322 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (V7770) |
| C323 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V (V7770) |
| C324 | 1-126-934-11 | ELECT | 220uF | 20% | 10V (V7770) |
| C325 | 1-136-164-00 | FILM | 0.082uF | 5% | 50V (V7770) |
| C326 | 1-162-303-11 | CERAMIC | 0.0033uF | 30% | 16V (V7770) |
| C327 | 1-136-164-00 | FILM | 0.082uF | 5% | 50V (V7770) |
| C328 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V (V7770) |
| C329 | 1-124-252-00 | ELECT | 0.33uF | 20% | 50V (V7770) |
| C330 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C331 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V (V7770) |
| C332 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C333 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C334 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C335 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V (V7770) |
| C336 | 1-126-934-11 | ELECT | 220uF | 20% | 10V (V7770) |
| C337 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C338 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C339 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C340 | 1-126-934-11 | ELECT | 220uF | 20% | 10V (V7770) |
| C341 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C342 | 1-126-934-11 | ELECT | 220uF | 20% | 10V (V7770) |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C343 | 1-126-934-11 | ELECT | 220uF | 20% | 10V (V7770) |
| C344 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C345 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C346 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C347 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V7770) |
| C348 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V (V7770) |
| C349 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V (V7770) |
| C350 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V7770) |
| C351 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V7770) |
| C352 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V7770) |
| C353 | 1-126-960-11 | ELECT | 1uF | 20% | 50V (V7770) |
| C354 | 1-126-960-11 | ELECT | 1uF | 20% | 50V (V7770) |
| C355 | 1-162-210-31 | CERAMIC | 30PF | 5% | 50V (V7770) |
| C356 | 1-162-210-31 | CERAMIC | 30PF | 5% | 50V (V7770) |
| C357 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V7770) |
| C361 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V (V7770) |
| C362 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C363 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V7770) |
| C364 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V7770) |
| C371 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V (V7770) |
| C372 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V (V7770) |
| C373 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V7770) |
| C374 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V7770) |
| C401 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V5550) |
| C402 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V (V5550) |
| C403 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V (V5550) |
| C404 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V (V5550) |
| C405 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V (V5550) |
| C406 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V (V5550) |
| C407 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V5550) |
| C408 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (V5550) |
| C409 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V5550) |
| C410 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V (V5550) |
| C411 | 1-162-305-11 | CERAMIC | 0.0068uF | 20% | 16V (V5550) |
| C412 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V (V5550) |
| C413 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V5550) |
| C414 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V5550) |
| C415 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V5550) |
| C416 | 1-104-664-11 | ELECT | 47uF | 20% | 25V (V5550) |
| C417 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V5550) |
| C418 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (V5550) |
| C731 | 1-104-664-11 | ELECT | 47uF | 20% | 25V |
| C732 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C801 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C802 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C803 | 1-104-482-11 | ELECT | 4700uF | 20% | 63V |
| C804 | 1-104-482-11 | ELECT | 4700uF | 20% | 63V |
| C805 | 1-126-948-11 | ELECT | 100uF | 20% | 35V |
| C806 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C807 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C808 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C809 | 1-126-943-11 | ELECT | 2200uF | 20% | 25V |
| C810 | 1-126-943-11 | ELECT | 2200uF | 20% | 25V |
| C815 | 1-126-940-11 | ELECT | 330uF | 20% | 25V |
| C816 | 1-126-951-11 | ELECT | 470uF | 20% | 35V (V5550) |
| C816 | 1-126-952-11 | ELECT | 1000uF | 20% | 35V (V7770) |
| C818 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C819 | 1-104-664-11 | ELECT | 47uF | 20% | 25V |
| C820 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C821 | 1-104-664-11 | ELECT | 47uF | 20% | 25V |
| C822 | 1-126-940-11 | ELECT | 330uF | 20% | 25V |
| C823 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C824 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C825 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C826 | 1-104-664-11 | ELECT | 47uF | 20% | 25V |
| C851 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C852 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| C853 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C854 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C855 | 1-126-934-11 | ELECT | 220uF | 20% | 10V |
| C856 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |

# MAIN

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| | | < CONNECTOR > | |
| * CN101 | 1-764-017-21 | HOUSING,CONNECTOR (PC BOARD) 17P | |
| CN103 | 1-774-289-11 | PIN, CONNECTOR (PC BOARD) 15P | |
| * CN131 | 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN301 | 1-691-765-21 | PLUG (MICRO CONNECTOR) 3P (V7770) | |
| CN701 | 1-778-311-11 | SOCKET, CONNECTOR (PC BOARD) 30P | |
| * CN731 | 1-569-496-11 | SOCKET, CONNECTOR 10P | |
| CN801 | 1-691-773-11 | PLUG (MICRO CONNECTOR) 11P | |
| | | < DIODE > | |
| D101 | 8-719-911-19 | DIODE 1SS119 | |
| D102 | 8-719-911-19 | DIODE 1SS119 | |
| D131 | 8-719-911-19 | DIODE 1SS119 | |
| D401 | 8-719-911-19 | DIODE 1SS119 (V5550) | |
| D402 | 8-719-911-19 | DIODE 1SS119 (V5550) | |
| D403 | 8-719-911-19 | DIODE 1SS119 (V5550) | |
| D742 | 8-719-024-99 | DIODE 11ES2-NTA2B (V7770) | |
| D743 | 8-719-911-19 | DIODE 1SS119 (V7770) | |
| D746 | 8-719-911-19 | DIODE 1SS119 (V7770) | |
| D751 | 8-719-911-19 | DIODE 1SS119 | |
| D752 | 8-719-911-19 | DIODE 1SS119 | |
| D761 | 8-719-911-19 | DIODE 1SS119 | |
| D781 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D801 | 8-719-302-38 | DIODE RBV-602-01 | |
| D802 | 8-719-911-19 | DIODE 1SS119 | |
| D803 | 8-719-911-19 | DIODE 1SS119 | |
| D804 | 8-719-934-22 | DIODE HZS30-2L | |
| D805 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D806 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D807 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D808 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D810 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D811 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D812 | 8-719-911-19 | DIODE 1SS119 | |
| D813 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D821 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D851 | 8-719-911-19 | DIODE 1SS119 | |
| D852 | 8-719-911-19 | DIODE 1SS119 | |
| D853 | 8-719-911-19 | DIODE 1SS119 | |
| | | < TERMINAL > | |
| * E801 | 1-537-738-21 | TERMINAL, EARTH | |
| | | < IC > | |
| IC111 | 8-759-495-24 | IC M62442FP-TP | |
| IC112 | 8-759-000-48 | IC MC14052BCP | |
| IC113 | 8-759-634-51 | IC M5218AP | |
| IC300 | 8-759-526-39 | IC LV1041M (V7770) | |
| IC361 | 8-759-634-51 | IC M5218AP (V7770) | |
| IC401 | 8-759-450-96 | IC M65850P (V5550) | |
| IC402 | 8-759-140-53 | IC UPD4053BC (V5550) | |
| IC801 | 8-759-604-86 | IC M5F7807L | |
| IC802 | 8-759-604-90 | IC M5F7907L | |
| IC803 | 8-759-231-53 | IC TA7805S | |
| IC804 | 8-759-604-32 | IC M5F7810 | |
| IC851 | 8-759-111-68 | IC UPC1237HA | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| | | < JACK > | |
| J101 | 1-770-613-11 | JACK, PIN 4P (MD/VIDEO 1) | |
| | | < COIL > | |
| L131 | 1-410-521-11 | INDUCTOR 100uH | |
| L401 | 1-410-521-11 | INDUCTOR 100uH (V5550) | |
| | | < TRANSISTOR > | |
| Q121 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q132 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q182 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q183 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q361 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK (V7770) | |
| Q371 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK (V7770) | |
| Q401 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK (V5550) | |
| Q731 | 8-729-140-04 | TRANSISTOR 2SB1116A-L | |
| Q732 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q741 | 8-729-111-29 | TRANSISTOR 2SD1616A-K (V7770) | |
| Q801 | 8-729-141-83 | TRANSISTOR 2SB1094-LK | |
| Q851 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q852 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q853 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| | | < RESISTOR > | |
| R103 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R104 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R105 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R106 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R108 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R109 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R113 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| R114 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| R115 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R116 | 1-249-419-11 | CARBON 1.5K 5% 1/4W F | |
| R117 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| R118 | 1-249-429-11 | CARBON 10K 5% 1/4W (V5550) | |
| R119 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R120 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R121 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R122 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R123 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| R131 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R132 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| R134 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R135 | 1-249-439-11 | CARBON 68K 5% 1/4W | |
| R136 | 1-247-883-00 | CARBON 150K 5% 1/4W | |
| R138 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R139 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| R140 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R141 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R142 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R145 | 1-247-887-00 | CARBON 220K 5% 1/4W | |
| R153 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R154 | 1-249-441-11 | CARBON 100K 5% 1/4W | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R155 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R156 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R158 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R159 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R163 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R164 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R165 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R166 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R167 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R172 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R173 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R181 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R182 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R184 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R185 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R186 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R188 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R189 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R190 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R191 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R192 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R193 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R194 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R195 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R196 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R304 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W (V7770) |
| R305 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V7770) |
| R306 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V7770) |
| R307 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V7770) |
| R308 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V7770) |
| R310 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W (V7770) |
| R340 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R361 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W (V7770) |
| R362 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W (V7770) |
| R363 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V7770) |
| R364 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V7770) |
| R365 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V7770) |
| R366 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W (V7770) |
| R367 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (V7770) |
| R371 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W (V7770) |
| R372 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W (V7770) |
| R373 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V7770) |
| R374 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V7770) |
| R375 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V7770) |
| R376 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W (V7770) |
| R377 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (V7770) |
| R401 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W (V5550) |
| R402 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W (V5550) |
| R403 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W (V5550) |
| R404 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W (V5550) |
| R405 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V5550) |
| R406 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V5550) |
| R407 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V5550) |
| R408 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (V5550) |
| R409 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V5550) |
| R410 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W (V5550) |
| R411 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V5550) |
| R412 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V5550) |
| R413 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W (V5550) |
| R414 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W (V5550) |
| R415 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V5550) |
| R416 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V5550) |
| R417 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V5550) |
| R418 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W (V5550) |
| R419 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W (V5550) |
| R420 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (V5550) |
| R701 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R702 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R705 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R706 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R707 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R708 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R709 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R710 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R711 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R713 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W (V7770) |
| R712 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R714 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R715 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R716 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R717 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R718 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W (V7770) |
| R731 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R732 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R733 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |

# MAIN MIC/ECHO

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R742 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W (V7770) |
| R743 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (V7770) |
| R744 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V7770) |
| ⚠R745 | 1-216-457-00 | METAL OXIDE | 1.2K | 5% | 2W (V7770) |
| R746 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W (V7770) |
| R747 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (V7770) |
| R751 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R752 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R757 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| ⚠R758 | 1-216-457-00 | METAL OXIDE | 1.2K | 5% | 2W F |
| R761 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R762 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R767 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R781 | 1-260-100-11 | CARBON | 1.2K | 5% | 1/2W |
| R782 | 1-260-100-11 | CARBON | 1.2K | 5% | 1/2W |
| R783 | 1-260-100-11 | CARBON | 1.2K | 5% | 1/2W |
| R784 | 1-260-100-11 | CARBON | 1.2K | 5% | 1/2W |
| R801 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R802 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R803 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| ⚠R804 | 1-212-982-00 | FUSIBLE | 100 | 5% | 1/2W F |
| R851 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R852 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R853 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R854 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R855 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R856 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| | | < RELAY > | | | |
| RY741 | 1-515-920-11 | RELAY (24V) (V7770) | | | |
| RY751 | 1-515-920-11 | RELAY (24V) | | | |
| | | < TERMINAL > | | | |
| TB751 | 1-537-240-31 | TERMINAL BOARD (FRONT SPEAKER) | | | |
| | | < VIBRATOR > | | | |
| X301 | 1-579-952-21 | VIBRATOR, CERAMIC 8MHz (V7770) | | | |
| ********** | | | | | |
| * | A-4414-708-A | MIC/ECHO BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C6001 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C6002 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C6003 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C6004 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C6005 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C6006 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V |
| C6007 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C6008 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C6009 | 1-124-465-00 | ELECT | 0.47uF | 20% | 50V |
| C6010 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C6011 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C6012 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C6014 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C6015 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C6016 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| C6017 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C6018 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| C6019 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C6020 | 1-162-305-11 | CERAMIC | 0.0068uF | 30% | 16V |
| C6021 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C6022 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C6023 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| C6024 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V |
| C6025 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C6026 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C6027 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C6028 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C6029 | 1-162-305-11 | CERAMIC | 0.0068uF | 30% | 16V |
| C6031 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| | | < CONNECTOR > | | | |
| CN6001 | 1-506-469-11 | PIN, CONNECTOR 4P | | | |
| | | < DIODE > | | | |
| D6001 | 8-719-911-19 | DIODE 1SS119 | | | |
| D6002 | 8-719-911-19 | DIODE 1SS119 | | | |
| D6003 | 8-719-911-19 | DIODE 1SS119 | | | |
| | | < TERMINAL > | | | |
| * E6001 | 1-537-738-21 | TERMINAL, EARTH | | | |
| | | < IC > | | | |
| IC6001 | 8-759-634-51 | IC M5218AP | | | |
| IC6002 | 8-759-450-96 | IC M65850P | | | |
| | | < JACK > | | | |
| J6001 | 1-770-226-11 | JACK (LARGE TYPE) (MIX MIC 1) | | | |
| J6002 | 1-750-733-11 | JACK (LARGE TYPE) (MIX MIC 2) | | | |
| | | < COIL > | | | |
| L6011 | 1-410-521-11 | INDUCTOR 100uH | | | |
| | | < RESISTOR > | | | |
| R6001 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R6002 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R6003 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R6004 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R6005 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R6006 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R6007 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6008 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R6009 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W |
| R6010 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R6011 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6012 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R6013 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6014 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6015 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6016 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R6017 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R6018 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6019 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R6020 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| | | < VARIABLE RESISTOR > | | | |
| RV6001 | 1-225-511-21 | RES, VAR, CARBON 50K/50K | | | (MIC LEVEL/ECHO VOL) |

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| | | | | | | |
|---|---|---|---|---|---|---|
| * | 1-669-965-11 | MOTOR BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C891 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C892 | 1-124-478-11 | ELECT | 100uF | 20% | 25V | |
| C893 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | |
| | | < CONNECTOR > | | | | |
| * CN892 | 1-568-941-11 | PIN, CONNECTOR 3P | | | | |
| | | < DIODE > | | | | |
| D891 | 8-719-947-16 | DIODE MTZJ-T-72-5.1A | | | | |
| | | < IC > | | | | |
| IC891 | 8-759-822-09 | IC LB1641 | | | | |
| | | < RESISTOR > | | | | |
| R891 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R892 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R893 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R894 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |

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| | | | |
|---|---|---|---|
| * | A-4417-072-A | PANEL BOARD, COMPLETE | |
| | | ********** | |
| | | | (V5550: HK, MY, SP, CH) |
| * | A-4414-737-A | PANEL BOARD, COMPLETE (V5550: IA) | |
| | | ********** | |
| * | A-4417-076-A | PANEL BOARD, COMPLETE | |
| | | ********** | |
| | | | (V7770: HK, MY, SP, CH) |
| * | A-4417-069-A | PANEL BOARD, COMPLETE (V7770: TH) | |
| | | ********** | |
| * | 4-900-849-01 | HOLDER (FL) | |
| * | 4-932-810-11 | CUSHION (FL) | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | < CAPACITOR > | | | |
| C501 | 1-162-205-31 | CERAMIC | 18PF | 5% | 50V |
| C502 | 1-162-205-31 | CERAMIC | 18PF | 5% | 50V |
| C503 | 1-104-905-11 | CAPACITOR | 0.22F | | 5.5V |
| C505 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C506 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C507 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C508 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C509 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C510 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C513 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |
| C514 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |
| C517 | 1-162-303-11 | CERAMIC | 0.0033uF | 30% | 16V |
| C518 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C519 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C520 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C521 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C522 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C523 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C601 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C602 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C603 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C604 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C605 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C606 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C607 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C608 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C609 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C610 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C611 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C612 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C613 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C614 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C615 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C616 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C617 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C618 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C619 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C620 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C621 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C622 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C623 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C624 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C625 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| | | < CONNECTOR > | | | |
| * CN501 | 1-564-705-11 | PIN, CONNECTOR (SMALL TYPE) 3P | | | |
| CN502 | 1-778-312-11 | PLUG, CONNECTOR (PC BOARD) 30P | | | |
| CN503 | 1-691-650-11 | SOCKET, CONNECTOR 19P | | | |
| * CN504 | 1-565-835-11 | SOCKET, CONNECTOR 3P | | | |
| | | < DIODE > | | | |
| D501 | 8-719-024-99 | DIODE 11ES2-NTA2B | | | |
| D502 | 8-719-911-19 | DIODE 1SS119 | | | |
| D504 | 8-719-911-19 | DIODE 1SS119 | | | |
| D505 | 8-719-911-19 | DIODE 1SS119 | | | |
| D506 | 8-719-911-19 | DIODE 1SS119 | | | |

# PANEL

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| D507 | 8-719-911-19 | DIODE 1SS119 | |
| D509 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D511 | 8-719-118-62 | DIODE RD5.6F-T7B1 | |
| D512 | 8-719-046-80 | DIODE SML19416W-TP4 (MOVIE) | |
| D513 | 8-719-046-80 | DIODE SML19416W-TP4 (MOVIE) | |
| D514 | 8-719-046-80 | DIODE SML19416W-TP4 (MUSIC) | |
| D515 | 8-719-046-80 | DIODE SML19416W-TP4 (MUSIC) | |
| D516 | 8-719-046-80 | DIODE SML19416W-TP4 (GAME) | |
| D517 | 8-719-046-80 | DIODE SML19416W-TP4 (GAME) | |
| D518 | 8-719-046-80 | DIODE SML19416W-TP4 (PLACE) | |
| D519 | 8-719-046-80 | DIODE SML19416W-TP4 (PLACE) | |
| D520 | 8-719-046-80 | DIODE SML19416W-TP4 (P FILE) | |
| D521 | 8-719-046-80 | DIODE SML19416W-TP4 (P FILE) | |
| D522 | 8-719-046-44 | DIODE SEL5221S (AUTO) | |
| | | < FILTER > | |
| FL601 | 1-517-775-11 | INDICATOR TUBE, FLUORESCENT | |
| | | < IC > | |
| IC501 | 8-759-563-01 | IC uPD780016AYGF-020-3BA | |
| IC502 | 8-759-165-82 | IC PST600E-T | |
| IC503 | 8-749-011-22 | IC GP1U27X | |
| IC505 | 8-759-140-53 | IC UPD4053BC | |
| IC506 | 8-759-495-25 | IC BA3833F-E2 | |
| IC601 | 8-759-261-63 | IC M66004M6FP | |
| | | < COIL > | |
| L501 | 1-408-074-00 | INDUCTOR 56uH | |
| L502 | 1-410-521-11 | INDUCTOR 100uH | |
| | | < TRANSISTOR > | |
| Q501 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q502 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q503 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q504 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q505 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q506 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q507 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q508 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q509 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q510 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q511 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q512 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q513 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| | | < RESISTOR > | |
| R500 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R501 | 1-247-891-00 | CARBON 330K 5% 1/4W | |
| R502 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R503 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R504 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R505 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R506 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R507 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R511 | 1-249-429-11 | CARBON 10K 5% 1/4W | (V7770) |
| R512 | 1-249-429-11 | CARBON 10K 5% 1/4W | (V7770: TH) |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R516 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| R517 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| R518 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R519 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R520 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R521 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R522 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R523 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R524 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R525 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R526 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R527 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R528 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R529 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R530 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R531 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R532 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R533 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R534 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R535 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R536 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R537 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R538 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R539 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R540 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R541 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R542 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R543 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R544 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R546 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R547 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R548 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R549 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R550 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R551 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R552 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R553 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R554 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R555 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R556 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R557 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R558 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R559 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R560 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R561 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R562 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R563 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R564 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R565 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R566 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R567 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R568 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R569 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R570 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R571 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R572 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R573 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R574 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R575 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R576 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R577 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R578 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R579 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R580 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R581 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R582 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R583 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R584 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R585 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R586 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R587 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R588 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R589 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R590 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R591 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R592 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R593 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R594 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R595 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R596 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R597 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R598 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R599 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R600 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R601 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R602 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R603 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R604 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R605 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R606 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R607 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R608 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R614 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R615 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R616 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R617 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R618 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R619 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R621 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R622 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R623 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |

< SWITCH >

| | | |
|---|---|---|
| S501 | 1-762-378-11 | SWITCH, TACTILE (EQ 16kHz +) |
| S502 | 1-762-378-11 | SWITCH, TACTILE (NAME IN) |
| S503 | 1-762-378-11 | SWITCH, TACTILE (CHAR) |
| S504 | 1-762-378-11 | SWITCH, TACTILE (EQ MEMORY) |
| S505 | 1-762-378-11 | SWITCH, TACTILE (OPEN/CLOSE) |
| S506 | 1-762-378-11 | SWITCH, TACTILE (TUNER BAND) |
| S507 | 1-762-378-11 | SWITCH, TACTILE (STEREO/MONO) |
| S508 | 1-762-378-11 | SWITCH, TACTILE (TUNING MEMORY) |
| S509 | 1-762-875-21 | SWITCH, KEYBOARD (KARAOKE PON/MPX) |
| S510 | 1-762-378-11 | SWITCH, TACTILE (OPEN SENSOR ON/OFF) |
| S511 | 1-762-378-11 | SWITCH, TACTILE (INSERT) |
| S512 | 1-762-378-11 | SWITCH, TACTILE (DELETE) |
| S513 | 1-762-378-11 | SWITCH, TACTILE (EQ 16kHz –) |
| S514 | 1-762-378-11 | SWITCH, TACTILE (FUNCTION) |
| S515 | 1-762-378-11 | SWITCH, TACTILE (TIMER SELECT) |
| S516 | 1-762-378-11 | SWITCH, TACTILE (CLOCK/TIMER SET) |
| S517 | 1-762-378-11 | SWITCH, TACTILE (POWER) |
| S518 | 1-762-378-11 | SWITCH, TACTILE (DISPLAY/DEMO) |
| S520 | 1-762-378-11 | SWITCH, TACTILE (SURROUND +) |
| S521 | 1-762-378-11 | SWITCH, TACTILE (SURROUND –) |
| S522 | 1-762-378-11 | SWITCH, TACTILE (DBFB –) |
| S523 | 1-762-378-11 | SWITCH, TACTILE (DBFB +) |
| S524 | 1-762-378-11 | SWITCH, TACTILE (EQ 63Hz +) |
| S525 | 1-762-378-11 | SWITCH, TACTILE (EQ 63Hz –) |
| S526 | 1-762-378-11 | SWITCH, TACTILE (EQ 250Hz –) |
| S527 | 1-762-378-11 | SWITCH, TACTILE (EQ 250Hz +) |
| S528 | 1-762-378-11 | SWITCH, TACTILE (EQ 1KHz +) |
| S529 | 1-762-378-11 | SWITCH, TACTILE (EQ 1KHz –) |
| S530 | 1-762-378-11 | SWITCH, TACTILE (EQ 4KHz –) |
| S531 | 1-762-378-11 | SWITCH, TACTILE (EQ 4KHz +) |

< VIBRATOR >

| | | |
|---|---|---|
| X501 | 1-760-489-11 | VIBRATOR, CERAMIC 5MHz |
| X502 | 1-567-098-41 | VIBRATOR, CRYSTAL 32KHz |

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| | | | | | |
|---|---|---|---|---|---|
| * | A-4414-209-A | POWER AMP BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | | | | (V5550: HK, MY, SP, CH) |
| * | A-4414-734-A | POWER AMP BOARD, COMPLETE (V5550: IA) | | | |
| | | ********** | | | |
| * | A-4414-221-A | POWER AMP BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | | | | (V7770: HK, MY, SP, CH) |
| * | A-4414-784-A | POWER AMP BOARD, COMPLETE (V7770: TH) | | | |
| | | ********** | | | |

< CAPACITOR >

| | | | | | |
|---|---|---|---|---|---|
| C811 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| | | | | | (V7770) |
| C812 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| | | | | | (V7770) |
| C813 | 1-126-974-11 | ELECT | 3300uF | 20% | 50V |
| | | | | | (V7770) |
| C814 | 1-126-974-11 | ELECT | 3300uF | 20% | 50V |
| | | | | | (V7770) |
| C901 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C902 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C903 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C904 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C905 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C906 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C907 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C932 | 1-128-552-51 | ELECT | 47uF | 20% | 63V |
| C933 | 1-128-581-11 | ELECT | 4.7uF | 20% | 63V |
| C934 | 1-128-552-51 | ELECT | 47uF | 20% | 63V |
| C936 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| | | | | | (EXCEPT IA, TH) |
| C937 | 1-126-965-11 | ELECT | 22uF | 20% | 50V |
| C938 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C940 | 1-128-581-11 | ELECT | 4.7uF | 20% | 63V |
| C950 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| | | | | | (IA, TH) |
| C951 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |

# POWER AMP | PRIMARY

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C952 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C953 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C954 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C955 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C956 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C957 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| | | < CONNECTOR > | | | |
| CN902 | 1-691-770-11 | PLUG (MICRO CONNECTOR) 8P | | | |
| CN904 | 1-691-161-11 | PIN, CONNECTOR 4P (V7770) | | | |
| | | < DIODE > | | | |
| D809 | 8-719-028-23 | DIODE D3SBA20-4101 (V7770) | | | |
| D903 | 8-719-911-19 | DIODE 1SS119 | | | |
| D941 | 8-719-911-19 | DIODE 1SS119 | | | |
| D953 | 8-719-911-19 | DIODE 1SS119 | | | |
| | | < IC > | | | |
| IC901 | 8-749-921-68 | IC STK-4231MK2 (EXCEPT TH) | | | |
| IC901 | 8-749-922-65 | IC STK-4221MK2 (TH) | | | |
| | | < TRANSISTOR > | | | |
| Q131 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | | |
| Q181 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | | |
| Q901 | 8-729-900-36 | TRANSISTOR DTC124ES | | | |
| Q902 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | | | |
| Q952 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | | | |
| Q971 | 8-729-900-36 | TRANSISTOR DTC124ES | | | |
| Q972 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | |
| | | < RESISTOR > | | | |
| R133 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R183 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R901 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R902 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R903 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F (EXCEPT TH) |
| R903 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W F (TH) |
| R904 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R906 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R907 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R908 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R909 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R910 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R911 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R913 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R914 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R915 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| ⚠R920 | 1-217-156-00 | REGISTER | 0.22 | 10% | 5W F |
| ⚠R932 | 1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W F |
| R933 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R934 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R935 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R936 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R937 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (EXCEPT TH) |
| R937 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (TH) |
| R938 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R940 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R941 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R942 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| ⚠R943 | 1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W F |
| R945 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R951 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R952 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R953 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F (EXCEPT TH) |
| R953 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W F (TH) |
| R954 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R956 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R957 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R958 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R959 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R960 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R961 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R963 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R964 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R965 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| ⚠R970 | 1-217-156-00 | REGISTER | 0.22 | 10% | 5W F |
| R971 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R972 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W |
| R973 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| ⚠R974 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| | | < THERMISTOR(POSITIVE) > | | | |
| THP901 | 1-807-796-11 | THERMISTOR | | | |

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| | | | |
|---|---|---|---|
| * | 1-669-953-11 | PRIMARY BOARD | |
| | | ********** | |
| | 1-533-293-11 | FUSE HOLDER | |
| | | < CONNECTOR > | |
| CN871 | 1-564-321-00 | PIN, CONNECTOR 2P | |
| | | < FUSE > | |
| ⚠F873 | 1-532-506-51 | FUSE TIME LAG 6.3A | |
| | | < SWITCH > | |
| ⚠S871 | 1-771-291-11 | SWITCH, POWER (VOLTAGE SELECTOR) | (HK, MY, SP, IA) |

**********

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

| Ref. No. | Part No. | Description | | | | Remarks |
|---|---|---|---|---|---|---|
| * | 1-669-954-11 | SECONDARY BOARD | | | | |
| | | ********** | | | | |
| | 1-533-293-11 | FUSE HOLDER | | | | |
| | | < CONNECTOR > | | | | |
| * CN872 | 1-564-518-11 | PLUG, CONNECTOR 3P (V7770) | | | | |
| | | < FUSE > | | | | |
| ⚠F874 | 1-532-506-51 | FUSE TIME LAG 6.3A, 250V | | | | |
| ⚠F875 | 1-532-506-51 | FUSE TIME LAG 6.3A, 250V | | | | |
| ⚠F876 | 1-532-505-51 | FUSE TIME LAG 5A, 250V (V7770) | | | | |
| ⚠F877 | 1-532-505-51 | FUSE TIME LAG 5A, 250V (V7770) | | | | |
| | | < RESISTOR > | | | | |
| ⚠R871 | 1-219-119-81 | FUSIBLE | 0.1 | 5% | 1/4W | F |
| ⚠R872 | 1-219-119-81 | FUSIBLE | 0.1 | 5% | 1/4W | F |
| ⚠R873 | 1-219-120-11 | FUSIBLE | 0.15 | 5% | 1/4W | F |
| ⚠R874 | 1-219-120-11 | FUSIBLE | 0.15 | 5% | 1/4W | F |
| ********** | | | | | | |
| * | A-4414-219-A | SURR AMP BOARD, COMPLETE (V7770) | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C4000 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C4001 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V | |
| C4002 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |
| C4003 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C4004 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C4005 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C4006 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | |
| C4007 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | |
| C4010 | 1-126-967-11 | ELECT | 47uF | 20% | 50V | |
| C4011 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | |
| C4012 | 1-126-965-11 | ELECT | 22uF | 20% | 50V | |
| C4013 | 1-126-967-11 | ELECT | 47uF | 20% | 50V | |
| C4040 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | |
| C4051 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V | |
| C4052 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |
| C4053 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C4054 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C4055 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C4056 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | |
| C4057 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | |
| | | < CONNECTOR > | | | | |
| * CN4002 | 1-564-519-11 | PLUG, CONNECTOR 4P | | | | |
| * CN4003 | 1-691-174-11 | CONNECTOR (BOARD TO BOARD) 4P | | | | |
| | | < DIODE > | | | | |
| D4003 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D4053 | 8-719-911-19 | DIODE 1SS119 | | | | |
| | | < IC > | | | | |
| IC4001 | 8-749-900-96 | IC STK-4142MK2 | | | | |

| Ref. No. | Part No. | Description | | | | Remarks |
|---|---|---|---|---|---|---|
| | | < TRANSISTOR > | | | | |
| Q4002 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | | | | |
| Q4052 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | | | | |
| | | < RESISTOR > | | | | |
| R4001 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R4002 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R4003 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R4004 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R4006 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4007 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4008 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4009 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4010 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R4011 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R4013 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R4014 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R4015 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| ⚠R4020 | 1-208-602-11 | REGISTER | 0.22 | 10% | 2W | F |
| ⚠R4021 | 1-217-641-00 | FUSIBLE | 4.7 | 5% | 1/4W | F |
| ⚠R4032 | 1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W | F |
| R4033 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F |
| R4034 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F |
| R4035 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F |
| R4036 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F |
| ⚠R4043 | 1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W | F |
| R4051 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R4052 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R4053 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R4054 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R4056 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4057 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4058 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4059 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R4060 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R4061 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R4063 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R4064 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R4065 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| ⚠R4070 | 1-208-602-11 | REGISTER | 0.22 | 10% | 2W | F |
| ********** | | | | | | |
| * | 1-669-963-11 | SURR SPK BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C202 | 1-104-666-11 | ELECT | 220uF | 20% | 25V | |
| C203 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| | | < CONNECTOR > | | | | |
| * CN201 | 1-569-505-11 | PIN, CONNECTOR 10P | | | | |
| CN202 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | | |
| CN781 | 1-506-468-11 | PIN, CONNECTOR 3P | | | | |

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Replace only with part number specified.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

## SURR SPK

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| | | < DIODE > | |
| D201 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D782 | 8-719-911-19 | DIODE 1SS119 | |
| | | < PLATE > | |
| * E781 | 4-870-539-11 | PLATE, GROUND (EXECEPT IA) | |
| | | < JACK > | |
| J781 | 1-785-011-11 | JACK, PIN 2P (SUPER WOOFER/VIDEO OUT) | |
| | | < RELAY > | |
| RY781 | 1-515-622-11 | RELAY | |
| | | < TERMINAL > | |
| TB201 | 1-537-925-31 | TERMINAL BOARD (REAR SPEAKER) (V5550) | |
| TB201 | 1-537-923-11 | TERMINAL BOARD (CENTER SPEAKER/REAR SPEAKER) (V7770) | |
| ********** | | | |
| | | MISCELLANEOUS | |
| | | ********** | |
| 3 | 1-773-125-11 | WIRE (FLAT TYPE) (19 CORE) | |
| 153 | 1-233-545-31 | ENCAPSULATED COMPONENT (TH) | |
| 153 | 1-233-546-31 | ENCAPSULATED COMPONENT (EXCEPT TH) | |
| ⚠160 | 1-751-326-31 | CORD, POWER (TH) | |
| ⚠160 | 1-777-071-21 | CORD, POWER (HK, MY, SP) | |
| ⚠160 | 1-782-315-11 | CORD, POWER (IA) | |
| ⚠160 | 1-783-205-11 | CORD, POWER (CH) | |
| ⚠161 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (IA) | |
| ⚠161 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (MY, SP) | |
| ⚠161 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (HK) | |
| IC504 | 8-719-070-85 | IC KU381-40 | |
| M891 | A-4660-926-A | MOTOR (CDM) ASSY | |
| M901 | 1-763-117-11 | FAN, DC | |
| ⚠T901 | 1-431-901-11 | TRANSFORMER, POWER (V7770) | |
| ⚠T901 | 1-431-904-11 | TRANSFORMER, POWER (V5550) | |
| ********** | | | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| | | ********** | |
| | | HARDWARE LIST | |
| | | ********** | |
| #1 | 7-685-647-79 | SCREW +BVTP 3 × 10 TYPE2 N-S | |
| #2 | 7-685-646-79 | SCREW +BVTP 3 × 8 TYPE2 N-S | |
| #3 | 7-621-775-20 | SCREW +B 2.6 × 5 | |
| #4 | 7-685-650-79 | SCREW +BVTP 3 × 16 TYPE2 IT-3 | |
| #5 | 7-685-881-09 | SCREW +BVTT 4 × 8 (S) | |
| #6 | 7-685-872-09 | SCREW +BVTT 3 × 8 (S) | |

| | |
|---|---|
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